FILE NOTATIONS	SM2
Cottered in MID File	Charled by Chief  Approval Letter  Disapproval Letter
COMPLETION DATA: 8-28-73  Date Well Completed 8-28-73  L. W. TA  OS. FA	Location Inspected  Bond released  State or Fee Land
LSSS-	FELLID
Deiller's Logo (No.)	and the second of the second o
CBLog CCLog Ge	

WELL NO. CHRISTMAN BLANN 1-31B4 API NO. 43-013-30198 SEC. 31, T. 02S, R. 04W DUCHESNE COUNTY, UTAH

NOTES FROM COVER ON OLD WELL FILE:

EFFECTIVE 10-15-73 LEASE TRANSFERRED FROM MCCULLOCH OIL TO HUSKY OIL.

Approved by.....

Conditions of approval, if any:

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL & GAS

		NATURAL RESOURCE OF OIL & GAS	S		5. Lease Designation and Serial No.
APPLICATIO	N FOR PERMIT	TO DRILL, DEEP	PEN, OR PLU	JG BACK	6. If Indian, Allottee or Tribe Name
1a. Type of Work	RILL XX	DEEPEN []		G BACK [	7. Unit Agreement Name
b. Type of Well Oil Well  2. Name of Operator	Gas Well Other		Single Zone XX	Multiple Zone	8. Farm or Lease Name
McCulloch 3. Address of Operator	Oil Corporation				9. Well No. #1-31
	2100 South, Suite	-		84115	10. Field and Pool, or Wildcat  Altamont Development
At proposed prod. zor	/		ļ		11. Sec., T., R., M., or Blk. and Survey or Area
14. Distance in miles an	d direction from nearest to	wn or post office*			Sec. 31, T. 2 S., R. 4  12. County or Parrish 13. State  Duchesne Utah
15. Distance from propo- location to nearest property or lease lin (Also to nearest drlg	e. ft. 1257'	16. N	lo. of acres in lease	17. No. o to thi	f acres assigned
18. Distance from propo to nearest well, drill or applied for, on the	sed location* ing, completed, is lease, ft. Nor	_	roposed depth	20. Rotar	y or cable tools
21. Elevations (Show who	ether DF, RT, GR, etc.)				22. Approx. date work will start* February, 1973
23.		PROPOSED CASING AN	O CEMENTING PRO	OGRAM	Tebruary, 1975
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	l	Quantity of Cement
12 1/4"	13 3/8" 9 5/8"	48# 40#	300'		375 cu ft
8 3/4"	7"	26#	50001	:	785 cu ft
6 1/8"	, 4 1/2"	13.5#	10,000' 12,400'	;	450 cu ft 255 cu ft
1. Well to be 2. Mud Progra	e drilled and ca	sing cemented a	s proposed a	above	
0'-8' 8100'-12	100'± Water 2,400' 8.3 to 15	#/gal. as neces	sarv to cont	trol hole	PLEASE HOLD INFORMATION CONFIDENTIAL
a. 13 3/8	reventer Program 3" casing - 12"	- 3000 psi Hvdr	i]	or or more.	
b. 9 5/8	3" casing - 10" -	- 5000 psi Sing	le Gate		
	10" ·	- 5000 psi Doub - 5000 psi Hydr	le Gate		1.39.4
c. 7"	casing - same	as 9 5/8" casi	1 I		3/1
_4. Blowout Co	ontrol Equipment		19.		139.3/1271
a. Degass b. 5000 p	ser 。 osi Choke Manifo	ld with Gas Bus <sup>.</sup>	ter (o	over)	L
IN ABOVE SPACE DESC ductive zone. If proposal preventer program, if any.	CRIBE PROPOSED PROGR	AM: If proposal is to do	mon on aloue I . I		at productive zone and proposed new pro-
Signed W W.	Lupton	Title Dis	strict Manag	er	<sub>Date.</sub> 1/23/73
(This space for Federa	l or State office use)	`			Date.
Permit No. 43	013-30198	/ A	approval Date		

Title.....

Date.....

# Instructions

#### Blowout Control Equipment (Continued) 4.

- Flowline Sensor c.
- Pit volume totalizer and warning device d.
- Inside blowout preventer e.
- Trip tanks

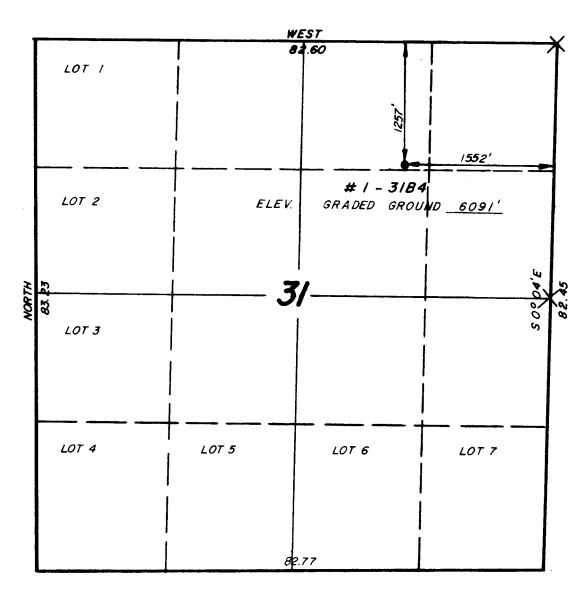
General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices. Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started. Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

# T2S, R4W, U.S.M.



X = STONE , CORNERS LOCATED & USED

## MCCULLOCH OIL CORP.

WELL LOCATION, # 1-3184, LOCATED AS SHOWN IN THE NE 1/4 SECTION 31, T2S, R4W, U. S. M., DUCHESNE COUNTY, UTAH



#### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

REGISTERED LAND SURVEYOR REGISTRATION № 2454

REVISED 15 DEC.72

UINTAH ENGINEERING & LAND SURVEYING
POBOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000	DATE 24 OCT 1972	
PARTY N. M., L.N.	REFERENCES G. L. O. PLAT	
WEATHER SNOW	FILE M. O.	

## January 25, 1973

McCulloch Oil Corporation 140 West 2100 South Suite 120 Salt Lake City, Utah

> Re: Well No. Christman-Bland #1-31 Sec. 31, T. 2 S, R. 4 W, Duchesne County, Utah

#### Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 139-3/139-4, dated June 24, 1971.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer HOME: 277-2890 OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation with regard to the above will be greatly appreciated.

The API number assigned to this well is 43-013-30198.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT DIRECTOR

CBF:sd

SUBMIT IN TRIPLICATE\*

NOTICE OF INTENTION TO:    TEST WATER SHUT-OFF		TE OF UTAH	(Other instructions on verse side)	re- 5. LEASE DESIGNATION AND SERIAL NO.
SUNDRY NOTICES AND REPORTS ON WELLS    Do not use this form of proposals to delight on the deeper of place proposals, different reservoir.	OIL & GAS CONSI	ERVATION COMMISSI	ON	#163.319.002
OTT. AND CONTROLL OF DEED STATEMENT NAME OF D				6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OTHER WILL NO.  1. REASO OF CREATERS AND CONTRIBUTION  8. ADDRESS OF OFFICENCE OF CREATER AND CONTRIBUTION  8. ADDRESS OF OFFICENCE OF CREATER AND CONTRIBUTION OF THE ADDRESS OF OFFICENCE OF CREATER AND CONTRIBUTION OF CREATER AND CREATER		TION FOR PERMIT—" for such p	roposals.)	
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1257' FNL & 1552' FEL, SE NW NE, Sec. 31  13. PERMIT NO.  14. PERMIT NO.  15. PERMIT NO.  16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  **Notice of Interprint Police of Interprint Notice of Notice of Notice, Report, or Other Data  **Notice of Interprint Notice of Interprint Notice of Notice, Report, or Other Data  **Notice of Interprint Notice of Interprint Notice of Notice, Report, or Other Data  **Notice of Interprint Notice of Interprint Notice of Notice, Report, or Other Data  **Notice of Interprint Notice of Interprint Notice of Notice, Report, or Other Data  **Notice of Interprint Notice of Interprint Notice, Notice, National Na	4. LOCATION OF WELL (Report location closes also space 17 below.)	Lake City, Utah early and in accordance with any	State requirements.*	10. FIELD AND POOL, OR WILDCAT
16. ELEVATION (Show whather Dr. Nt. Ob. etc.)  17. COUNTY OF PARISE 18. STATE  43-013-30198  18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERFEDO TO:  THEST WATER SHUT-OFF PRACTURE TREAT SHOOT OF ACTIDIES ADMONTH OF CHANGE  INDOCTION OF CHANGE PLANS  WATER SHUT-OFF PRACTURE TREAT SHOOT OF ACTIDIES ADMONTH OF CHANGE  (Other)  17. DEEDER PRUMORUM ON CONFISCE OF INTERFEDO STATES  REPORT FOR THE MONTH OF FEBRUARY, 1973  TODAY OF THE MONTH OF FEBRUARY, 1973  Feb. 6: Depth: 230' (230') Spud Well 12:00 p.m. 2/5/73. Repairing swivel. Mudz 8.4, 60, Feb. 7: Depth: 300' (70') Nippling up. Ran 9 joints H-40, 48# 13 3/8" casing. Set @ 295 Cemented with 450 sacks Class "G" with 2% CaCl. Cement circulated.  Feb. 8: Depth: 300' (0') Testing BOP Feb. 9: Drilling @ 1350' (225') Shale, Sand. Mud: Water Feb. 10: Drilling @ 1960' (580') Shale, Sand. Mud: Water. Feb. 10: Drilling @ 1960' (580') Shale, Sand. Mud: Water. Feb. 11: Drilling @ 2428' (468') Sand, Shale. Mud: Water. Tripe @ 2674' (246') Sand, Shale. Mud: Water. Feb. 13: Trip @ 2674' (246') Sand, Shale. Mud: Water. Feb. 14: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 15: Drilling @ 3870' (423') Sand, Shale. Mud: Water. Feb. 16: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 17: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 18: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 4430' (560') Sand, Shale. Mud: Water Feb. 19: Drilling	1257' FNL & 1552' FEL	., SE NW NE, Sec. 31		11. SEC., T., R., M., OR BLK. AND
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  ***MOTICE OF INTENTION TO:  ***BIRCH OF INTENTION TO:  ***PRACTURE TREAT***  ***PRACTURE TREAT**  ***SHOOT OR ACTURE TREAT**  ***PRACTURE TREAT**  ***SHOOT OR ACTURE TREAT**  ***PRACTURE TREAT**  ***SHOOT OR ACTURE TREAT**  ***PRACTURE TREAT**  ***P	14. PERMIT NO.	15. ELEVATIONS (Show whether DF	, RT, GR, etc.)	
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  ***MOTICE OF INTENTION TO:  ***BIRCH OF INTENTION TO:  ***PRACTURE TREAT***  ***PRACTURE TREAT**  ***SHOOT OR ACTURE TREAT**  ***PRACTURE TREAT**  ***SHOOT OR ACTURE TREAT**  ***PRACTURE TREAT**  ***SHOOT OR ACTURE TREAT**  ***PRACTURE TREAT**  ***P	43-013-30198	6091' GL		Duchesne Utah
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TREAL WATER BRUCT-OFF PRACTURE TREAT SHOOT OR ACIDEE BEPAIR WELL (Other)  17. DESCRIBE PROVOSED OR COMPLETED OPERATIONS (Clearly state all pertinent devialla, and give pertinent dates, including estimated date of starting any need to this work.)*  REPORT FOR THE MONTH OF FEBRUARY, 1973  Feb. 6: Depth: 230' (230') Spud Well 12:00 p.m. 2/5/73. Repairing swivel. Mud.: 8.4, 60, Complete and the state of this work.)*  REPORT FOR THE MONTH OF FEBRUARY, 1973  CONFIDENTIAL  Feb. 7: Depth: 300' (70') Nippling up. Ran 9 joints H-40, 48# 13 3/8" casing. Set @ 295 Cemented with 450 sacks Class "G" with 2% CaCl. Cement circulated.  Feb. 9: Drilling @ 1155' (855') Sand, Shale. Mud: Water Feb. 10: Drilling @ 1380' (225') Shale, Sand. Mud: Water Feb. 10: Drilling @ 1960' (580') Shale, Sand. Mud: Water Feb. 12: Fishing @ 2428' (468') Sand, Shale. Mud: Water. Twist drill pipe off one joint ab drill collar. Left 18 DC, 1-12 1/4"stabilizer and 1-12 1/4" near bit reamer in hole. Going in hole with overshot.  Feb. 13: Trip @ 2674' (246') Sand, Shale. Mud: Water.  Feb. 14: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 16: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 17: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 18: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 19: Drilling @ 4430' (560') Sand, Shale. Mud: Water Feb. 19: Drilling @ 4430' (560') Sand, Shale. Mud: Water Feb. 19: Drilling @ 4430' (560') Sand, Shale. Mud: Water Feb. 19: Depth: 4560' (0') Ran 109 joints 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'  II. hereby certyty that the foregoing is true and correct SIGNED Water  FITLE District Manager  FITLE District Manager  DATE  PATE  P				
PRACTURE TREAT SMOOT OR ACIDIES  ABANDON'S  CHANGE PLANS  CHANGE PLANS  COMPETER OPERATIONS (Clearly state all pertinent dertalls, and give perturbed dates, freeding any proposed work. If well is directionally drilled, give aubaurface locations and measured and true vertical depths for all markers and zones perturbed work. If well is directionally drilled, give aubaurface locations and measured and true vertical depths for all markers and zones perturbed work. If well is directionally drilled, give aubaurface locations and measured and true vertical depths for all markers and zones perturbed work. If well is directionally drilled, give aubaurface locations and measured and true vertical depths for all markers and zones perturbed work. If well is directionally drilled, give aubaurface locations and measured and true vertical depths for all markers and zones perturbed with 450 and control of the		[]		
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(Other)  (Ot	<del>-</del>			<del></del>
17. Describe Proposed over Left State office all perthent details and give pertinent details and give pertinent details for all markers and sones pertinent to this work.)*  REPORT FOR THE MONTH OF FEBRUARY, 1973  CONFIDENTIAL  Feb. 6: Depth: 230' (230') Spud Well 12:00 p.m. 2/5/73. Repairing swivel. Mud. 8.4, 60, Feb. 7: Depth: 300' (70') Nippling up. Ran 9 joints H-40, 48# 13 3/8" casing. Set @ 295 Cemented with 450 sacks Class "G" with 2% CaCl. Cement circulated.  Feb. 8: Depth: 300' (0') Testing BOP Feb. 9: Drilling @ 1155' (855') Sand, Shale. Mud: Water  Feb. 10: Drilling @ 1380' (225') Shale, Sand. Mud: Water  Feb. 11: Drilling @ 1960' (580') Shale, Sand. Mud: Water  Feb. 12: Fishing @ 2428' (468') Sand, Shale. Mud: Water. Twist drill pipe off one joint ab drill collar. Left 18 DC, 1-12 1/4"stabilizer and 1-12 1/4" near bit reamer in hole. Going in hole with overshot.  Feb. 13: Trip @ 2674' (246') Sand, Shale. Mud: Water. GIH with 9 5/8" overshot with 7 7/8 grapple. Recovered Fish.  Feb. 16: Drilling @ 3400' (483') Sand, Shale. Mud: Water  Feb. 17: Drilling @ 3870' (470') Sand, Shale. Mud: Water  Feb. 18: Depth: 4560' (130') Sand, Shale. Mud: Water  Feb. 19: Depth: 4560' (130') Sand, Shale. Mud: Water  Feb. 19: Depth: 4560' (0') Ran 109 joints 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'  INTILE District Manager  DATE  MAR 1 1874  TITLE District Manager  DATE  DATE	REPAIR WELL CI	HANGE PLANS		
PREPORT FOR THE MONTH OF FEBRUARY, 1973  CONFIDENTIAL  Feb. 6: Depth: 230' (230') Spud Well 12:00 p.m. 2/5/73. Repairing swivel. Mudz 8.4, 60, Feb. 7: Depth: 300' (70') Nippling up. Ran 9 joints H-40, 48# 13 3/8" casing. Set @ 295 Cemented with 450 sacks Class "G" with 2% CaCl. Cement circulated.  Feb. 8: Depth: 300' (0') Testing BOP  Feb. 9: Drilling @ 1185' (855') Sand, Shale. Mud: Water  Feb. 10: Drilling @ 1380' (225') Shale, Sand. Mud: Water. Dev. 3/40 @ 1190'.  Feb. 11: Drilling @ 1960' (580') Shale, Sand. Mud: Water. Twist drill pipe off one joint ab drill collar. Left 18 DC, 1-12 1/4" stabilizer and 1-12 1/4" near bit reamer in hole. Going in hole with overshot.  Feb. 13: Trip @ 2674' (246') Sand, Shale. Mud: Water. GIH with 9 5/8" overshot with 7 7/8 grapple. Recovered Fish.  Feb. 14: Drilling @ 3400' (483') Sand, Shale. Mud: Water  Feb. 15: Drilling @ 3870' (470') Sand, Shale. Mud: Water  Feb. 16: Drilling @ 3870' (470') Sand, Shale. Mud: Water  Feb. 17: Drilling @ 4430' (560') Sand, Shale. Mud: Water  Feb. 18: Depth: 4560' (130') Sand, Shale. Mud: Water  Feb. 19: Depth: 4560' (0') Ran 109 joints 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'  18: I bereby certify that the foregoing is true and correct  SIGNED College of Federal or State office use)  APPROVED BY  TITLE District Manager  DATE  DATE	(Other)		(Note: Report resu Completion or Recor	lts of multiple completion on Well npletion Report and Log form.)
REPORT FOR THE MONTH OF FEBRUARY, 1973  Feb. 6: Depth: 230' (230') Spud Well 12:00 p.m. 2/5/73. Repairing swivel. Mud: 8.4, 60, Feb. 7: Depth: 300' (70') Nippling up. Ran 9 joints H-40, 48# 13 3/8" casing. Set @ 295 Cemented with 450 sacks Class "G" with 2% CaCl. Cement circulated.  Feb. 8: Depth: 300' (0') Testing BOP Feb. 9: Drilling @ 1155' (855') Sand, Shale. Mud: Water Feb. 10: Drilling @ 1380' (225') Shale, Sand. Mud: Water. Dev. 3/40 @ 1190'. Feb. 11: Drilling @ 1960' (580') Shale, Sand. Mud: Water. Twist drill pipe off one joint ab drill collar. Left 18 DC, 1-12 1/4"stabilizer and 1-12 1/4" near bit reamer in hole. Going in hole with overshot.  Feb. 13: Trip @ 2674' (246') Sand, Shale. Mud: Water. GIH with 9 5/8" overshot with 7 7/8 grapple. Recovered Fish.  Feb. 14: Drilling @ 2917' (243') Sand, Shale. Mud: Water. Feb. 15: Drilling @ 3400' (483') Sand, Shale. Mud: Water. Feb. 16: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 17: Drilling @ 4430' (560') Sand, Shale. Mud: Water Feb. 18: Depth: 4560' (130') Sand, Shale. Mud: Water Feb. 19: Depth: 4560' (130') Sand, Shale. Mud: Water Feb. 19: Depth: 4560' (0') Ran 109 joints 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'  IB. I hereby certify that the foregoing is true and correct SIGNED Water  TITLE District Manager  DATE  MAR 1 1879  (This space for Federal or State office use)	proposed work. If well is direction	ATIONS (Clearly state all pertinent sally drilled, give subsurface locat	t details, and give pertinent dat ions and measured and true vert	es, including estimated date of starting any tical depths for all markers and zones perti-
Cemented with 450 sacks Class "G" with 2% CaCl. Cement circulated.  Feb. 8: Depth: 300' (0') Testing BOP  Feb. 9: Drilling @ 1155' (855') Sand, Shale. Mud: Water  Feb. 10: Drilling @ 1380' (225') Shale, Sand. Mud: Water. Dev. 3/40 @ 1190'.  Feb. 11: Drilling @ 1960' (580') Shale, Sand. Mud: Water  Feb. 12: Fishing @ 2428' (468') Sand, Shale. Mud: Water. Twist drill pipe off one joint ab drill collar. Left 18 DC, 1-12 1/4"stabilizer and 1-12 1/4" near bit reamer in hole. Going in hole with overshot.  Feb. 13: Trip @ 2674' (246') Sand, Shale. Mud: Water. GIH with 9 5/8" overshot with 7 7/8 grapple. Recovered Fish.  Feb. 14: Drilling @ 2917' (243') Sand, Shale. Mud: Water.  Feb. 15: Drilling @ 3400' (483') Sand, Shale. Mud: Water  Feb. 16: Drilling @ 3400' (483') Sand, Shale. Mud: Water  Feb. 17: Drilling @ 3400' (483') Sand, Shale. Mud: Water  Feb. 18: Depth: 4560' (130') Sand, Shale. Mud: Water  Feb. 18: Depth: 4560' (130') Sand, Shale. Mud: Water  Feb. 19: Depth: 4560' (0') Ran 109 joints 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'  IB. I bereby certify that the foregoing is true and correct  SIGNED Forest State office use)  APPROVED BY  TITLE District Manager  DATE  DATE	nent to this work.) *			
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Feb. 9: Drilling @ 1155' (855') Sand, Shale. Mud: Water Feb. 10: Drilling @ 1380' (225') Shale, Sand. Mud: Water. Dev. 3/4º @ 1190'. Feb. 11: Drilling @ 1960' (580') Shale, Sand. Mud: Water Feb. 12: Fishing @ 2428' (468') Sand, Shale. Mud: Water. Twist drill pipe off one joint ab drill collar. Left 18 DC, 1-12 1/4"stabilizer and 1-12 1/4" near bit reamer in hole. Going in hole with overshot. Feb. 13: Trip @ 2674' (246') Sand, Shale. Mud: Water. GIH with 9 5/8" overshot with 7 7/8 grapple. Recovered Fish. Feb. 14: Drilling @ 2917' (243') Sand, Shale. Mud: Water. Feb. 15: Drilling @ 3400' (483') Sand, Shale. Mud: Water Feb. 16: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 17: Drilling @ 4430' (560') Sand, Shale. Mud: Water Feb. 18: Depth: 4560' (130') Sand, Shale. Mud: Water. Ran Multi-shot 300'-4430'. Rig up to run 9 5/8" casing. Feb. 19: Depth: 4560' (0') Ran 109 joints 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'  18. I bereby certity that the foregoing is true and correct  SIGNED	rep. 8: Depth: 300' (0'	) Testing BOP	TON 2% CACT. Cemer	ic circulated.
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Feb. 12: Fishing @ 2428' (468') Sand, Shale. Mud: Water. Twist drill pipe off one joint ab drill collar. Left 18 DC, 1-12 1/4" stabilizer and 1-12 1/4" near bit reamer in hole. Going in hole with overshot.  Feb. 13: Trip @ 2674' (246') Sand, Shale. Mud: Water. GIH with 9 5/8" overshot with 7 7/8 grapple. Recovered Fish.  Feb. 14: Drilling @ 2917' (243') Sand, Shale. Mud: Water.  Feb. 15: Drilling @ 3400' (483') Sand, Shale. Mud: Water  Feb. 16: Drilling @ 3870' (470') Sand, Shale. Mud: Water  Feb. 17: Drilling @ 4430' (560') Sand, Shale. Mud: Water  Feb. 18: Depth: 4560' (130') Sand, Shale. Mud: Water. Ran Multi-shot 300'-4430'. Rig up to run 9 5/8" casing.  Feb. 19: Depth: 4560' (0') Ran 109 joints 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'  18. I hereby certify that the foregoing is true and correct  SIGNED		' (225') Shale, Sand	Mud. Water Dev	3/4 <sup>0</sup> @ 1190'.
hole. Going in hole with overshot.  Feb. 13: Trip @ 2674' (246') Sand, Shale. Mud: Water. GIH with 9 5/8" overshot with 7 7/8 grapple. Recovered Fish.  Feb. 14: Drilling @ 2917' (243') Sand, Shale. Mud: Water.  Feb. 15: Drilling @ 3400' (483') Sand, Shale. Mud: Water  Feb. 16: Drilling @ 3870' (470') Sand, Shale. Mud: Water  Feb. 17: Drilling @ 4430' (560') Sand, Shale. Mud: Water  Feb. 18: Depth: 4560' (130') Sand, Shale. Mud: Water. Ran Multi-shot 300'-4430'. Rig up to run 9 5/8" casing.  Feb. 19: Depth: 4560' (0') Ran 109 joints 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'  18. I bereby certify that the foregoing is true and correct  SIGNED	reb. II: Drilling @ 1960	COBULL SHALE, SANG	l Mud·Wator	
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Feb. 14: Drilling @ 2917' (243') Sand, Shale. Mud: Water.  Feb. 15: Drilling @ 3400' (483') Sand, Shale. Mud: Water  Feb. 16: Drilling @ 3870' (470') Sand, Shale. Mud: Water  Feb. 17: Drilling @ 4430' (560') Sand, Shale. Mud: Water  Feb. 18: Depth: 4560' (130') Sand, Shale. Mud: Water. Ran Multi-shot 300'-4430'. Rig up  to run 9 5/8" casing.  Feb. 19: Depth: 4560' (0') Ran 109 joints 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'  18. I bereby certify that the foregoing is true and correct  SIGNED	Feb. 13: Trip @ 2674' (2	46') Sand, Shale. Mu		
Feb. 15: Drilling @ 3400' (483') Sand, Shale. Mud: Water Feb. 16: Drilling @ 3870' (470') Sand, Shale. Mud: Water Feb. 17: Drilling @ 4430' (560') Sand, Shale. Mud: Water Feb. 18: Depth: 4560' (130') Sand, Shale. Mud: Water. Ran Multi-shot 300'-4430'. Rig up to run 9 5/8" casing. Feb. 19: Depth: 4560' (0') Ran 109 joints 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'  18. I hereby certify that the foregoing is true and correct SIGNED	3, appic. Necovi	CI CU   1511.		
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TITLE DISTRICT Manager  APPROVED BY  TO run 9 5/8" (130') Sand, Shale. Mud: Water. Ran Multi-shot 300'-4430'. Rig up to run 9 5/8" casing.  Rigup to run 9 5/8" casing.  Rigup to run 9 5/8" casing, 40#, K-55, ST&C. Set @ 4519'  TITLE District Manager  DATE  DATE		(560') Sand, Shale	. Mud: Water	
TITLE District Manager  (This space for Federal or State office use)  APPROVED BY	reb. 18: Depth: 4560' (13	30') Sand, Shale. Mu	d: Water. Ran Mult	i-shot 300'-4430'. Rig un
18. I hereby certify that the foregoing is true and correct  SIGNED Color Color TITLE District Manager  (This space for Federal or State office use)  APPROVED BY TITLE DATE	to run 9 5/8" ca	asing.		
SIGNED Sol Calefolic TITLE District Manager  (This space for Federal or State office use)  APPROVED BY				
(This space for Federal or State office use)  APPROVED BY	65.0-101	()	strict Manager	DATE MAR 1 1973
APPROVED BY DATE			- I I I I I I I I I I I I I I I I I I I	DAIR
	(This space for Federal or State office	: use)		
				DATE

SUBMIT IN TRIPLICATE\*
(Other instructions on re-

OIL & GAS CON	SERVATION COMMISSI	verse side)	5. LEASE DESIGNATION	
			#163.319.0	
	TICES AND REPORTS (  posals to drill or to deepen or plug to  CATION FOR PERMIT—" for such p		O. IF INDIAN, ADDOTTE	
1. OIL VAN GAS	· ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	7	7. UNIT AGREEMENT NA	MB
WELL XXX WELL OTHER  2. NAME OF OPERATOR			8. FARM OR LEASE NAM	(B
<u>                                      </u>	on		CHRISTMAN-	-BLAND
ADDRESS OF OPERATOR			9. WELL NO.	
40 West 2100 South, Sal LOCATION OF WELL (Report location See also space 17 below.)	It Lake City, Utah, 84	State requirements.*	#1-31 10. FIELD AND POOL, OI	R WILDCAT
See also space 17 bélow.) At surface	•		Altamont	
			11. SEC., T., R., M., OR B SURVEY OR AREA	ELE. AND
4. PERMIT NO.	15. BLEVATIONS (Show whether DF	RT, OR, etc.)	12. COUNTY OR PARISH	18. STATE
	Appropriate Box To Indicate N	ature of Notice, Report, or	Other Data	
NOTICE OF INTE	INTION TO:	SUBSI	QUENT REPORT OF:	
FRACTURE TREAT	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	
SHOOT OR ACIDIZE	MULTIPLE COMPLETE ABANDON*	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ALTERING CA	<del>                                     </del>
REPAIR WELL	CHANGE PLANS	(Other)	<del></del>	
(Other)		Completion or Recom	ts of multiple completion of the property of t	m.)
7. DESCRIBE PROPOSED OR COMPLETED OF proposed work. If well is direct	PERATIONS (Clearly state all pertinent cionally drilled, give subsurface locat	details, and give pertinent date ions and measured and true vert	es, including estimated date ical depths for all markers	of starting any and zones perti-
nent to this work.) * EBRUARY REPORT CONTINUE	ED			
sacks Class "Geb. 20: Depth: 4560' (eb. 21: Depth: 4560' (eb. 22: Depth: 4560' (eb. 23: Depth: 4560' (and repairing eb. 24: Depth: 4560' (eb. 25: Drilling @ 514eb. 26: Drilling @ 556eb. 27: Drilling @ 595	500 sacks 50/50 POZ, G", 1/4# flocele/sack. (0') Nippling up BOP, (0') Nippled up and pigor) Waiting on gas but accumulator unit. (0') Preparing to dril 10' (580') Silt, Sand. 54' (424') Silt, Sand. 55' (391') Sand, Shale. Mu (463') Sand, Shale.	Plug down @ 7 p.m ran temperature sur king up 6 3/4" dril ster and pit repair ster and choke mani l out from under 9 Mud: Water Mud: Water . Mud: Water	. 2/18/73. 100% vey, top of ceme l collars fold. Installed	g circulation ant @ 2300'
<ol> <li>I hereby certify that the foregoing i</li> </ol>			MAR 1	1077
signed Bob Alexander	TITLE Di	<u>strict Manager</u>	DATE	1973 —————
SIGNED Bob Alexander (This space for Federal or State off		strict Manager	DATE MALE 3	1973

(Other instructions on re-	5. LEASE DESIGNATION AND SERIAL	_
verse side)	J. LEASE DESIGNATION AND BERIAL	
	#163.319.002	
WELLC	6. IF INDIAN, ALLOTTER OR TRIBE N.	A

0	IL & GAS CO	NSERVATION (	COMMISS	ION	#163.319.002	AND BERIED NO.
(Do not		OTICES AND F			6. IF INDIAN, ALLOTTER	OR TRIBE NAME
	Use "APF	LICATION FOR PERM	IT—" for such	back to a different reservoir. proposals.)		
oir	GAS OTHI				7. UNIT AGREEMENT NA	MB
NAME OF OPE		ur.			8. FARM OR LEASE NAM	<b>.</b>
/cCulloch	Oil Corpora	tion			CHRISTMAN-BL	AND
. ADDRESS OF					9. WELL NO.	
L40 West 2	2100 South,	Salt Lake City	, 84115		#1-31	
. LOCATION OF See also space	WELL (Report locate 17 below.)	ion clearly and in accor	dance with an	y State requirements.*	10. FIELD AND POOL, OF	WILDCAT
At surface	,					
					11. SEC., T., R., M., OR B SURVEY OR AREA	LK. AND
4. PERMIT NO.		15. BLEVATIONS (	Show whether p	OF, RT, GR, etc.)	12. COUNTY OR PARISH	18. STATE
8.			o Indicate I	Nature of Notice, Report, o		
	NOTICE OF I	NTENTION TO:		SUB	SEQUENT REPORT OF:	
TEST WATER	SHUT-OFF	PULL OR ALTER CAS	ING	WATER SHUT-OFF	REPAIRING W	BLL
FRACTURE TE		MULTIPLE COMPLETI	ε	FRACTURE TREATMENT	ALTERING CA	F
SHOOT OR AC		ABANDON*		SHOOTING OR ACIDIZING	ABANDONMEN	T*
REPAIR WELI		CHANGE PLANS		(Other)(Note: Report res	sults of multiple completion of	on Well
(Other)  7. DESCRIBE PROD	POSED OR COMPLETED	OPERATIONS (Clearly st	ate all pertine	nt details, and give pertinent di ations and measured and true ve	ompletion Report and Log for ates, including estimated date	
proposed w nent to this	vork. If well is di work.)*	rectionally drilled, give	subsurface loca	ations and measured and true ve	rtical depths for all markers	and zones perti-
		3 - Continued				
March 27:	200, Connec	ction gas 550,	Trip gas	hale, Lime. Mud: 11 s 5250. At 10,436'		
March 28:	Drilling @			Shale, Lime. Mud: 1	2.3, 58, 5.6. Back	kground gas
March 29:		ction gas 300.	hac2 /	Chala Mada 12.2 E	E 4 0 De aleasan	nd ~~~ 150
MICH 29.	Connection	ras 1000 S1	ight sho	Shale. Mud: 12.2, 5 w @ 10,642'-48'. T	race of porosity	na gas 150, with dull
	fluorescen	ce. No gas in	crease.	Drilling break @ 1	0,662'-70', sampl	e not up. No
March 30:		10 773! (102!	) Shale	Sand, Lime. Mud: 1	3 1 / 10 / / / 12 2	akaround as
	100, Conne	ction gas 110.	Show @	10,662'-670' - 8'	sand with light h	rown stain.
	blue fluor	escence and fa	ir cut.	Gas 4100 units. D	rilling break, 10	-12 min/ft.
	to 4-7 min					· · ·
March 31:	Drilling @	10,882' (109'	) Sand,	Shale. Mud: 13.4, 5	4, 4.8. Backgrou	nd gas 90,
	Connection	gas 110. Sho	w @ 10,8	06'-10,810', drilli	ng break 12 min/f	t to $6  \text{min}/1$
			slight	cut, 140 unit incre	ase. Lost 12 bar	rels mud
	@ 10,860'-	70'.				
s. I hereby certi		ng is true and correct	-	N		
SIGNED	B. G. Alexa	ınaer	TITLE	District Manager	DATE Apri	1 11, 1973
(This space f	or Federal or State	office use)				
ADDDOUME	DV		mimi v			
APPROVED 1	OF APPROVAL, 1	F ANY:	TITLE		DATE	

OGCC-1 be	STATE OF UTAH	SUBMIT IN TRIPLICATES		
0.		(Other instructions on re- verse side)	5. LEASE DESIGNATION	AND SERIAL NO.
0.	IL & GAS CONSERVATION COMMISSIC	) N	#163.319.00	2
(Do not	SUNDRY NOTICES AND REPORTS C use this form for proposals to drill or to deepen or plug bs Use "APPLICATION FOR PERMIT—" for such pro		6. IF INDIAN, ALLOTTE	OR TRIBE NAME
i.  OIL WELL XXX	GAS WELL OTHER		7. UNIT AGREEMENT NA	ME
2. NAME OF OPE			8. FARM OR LEASE NAM	(1)
McCulloch	Oil Corporation		CHRISTMAN-B	LAND
3. ADDRESS OF C	<del></del>		9. WELL NO.	
	2100 South, Suite 120, Salt Lake Cit		#1-31	
See also space	WELL (Report location clearly and in accordance with any Sec 17 below.)	State requirements.*	10. FIELD AND POOL, OF	R WILDCAT
At surface			Altamont	17 Y AVB
	. 15501		11. SEC., T., R., M., OR B SURVEY OR AREA	LL. AND
1257' FNL	& 1552' FEL, SE NW NE, Sec. 31			A TAT
14. PERMIT NO.	15. BLEVATIONS (Show whether DF,	RT. GR. etc.)	31, T. 2 S., R	
43-013-301		,,,	Duchesne	Utah
43-013-301 16.	Check Appropriate Box To Indicate No.	sture of Notice Report or C	-	1 Octain
	NOTICE OF INTENTION TO:		UENT REPORT OF:	
TEST WATER	SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	VELL
FRACTURE TR		FRACTURE TREATMENT	ALTERING CA	
SHOOT OR AC		SHOOTING OR ACIDIZING	ABANDONMEN	<b>-</b>
REPAIR WELL		(Other)		
(Other)		(Note: Report results Completion or Recomb	of multiple completion of letion Report and Log for	on Well
17. DESCRIBE PROP proposed w nent to this	POSED OR COMPLETED OPERATIONS (Clearly state all pertinent work. If well is directionally drilled, give subsurface locations work.)*			
REPORT FOR	R THE MONTH OF MARCH, 1973	"CONTE	DENTIAL"	
March 1:	Drilling @ 6845' (427') Sand, Shal	le. Mud: Water	<del></del>	
March 2: March 3:	Drilling @ 7575' (90') Sand, Shale			
March 4:	Drilling @ 7947' (432') Sand, Shal gas 2500.	le. Mud: Water. Backo	ground gas 1600	, Connection
March 5:	Trip @ 7947' (0') Sand, Shale. Mud			
March 6:	Drilling @ 8405' (485') Dolomite, 12,000. Oil show @ 6900', oil on		Background gas	2000, Trip gas
March 7:	Drilling @ 8888' (438') Sand, Dolo Connection gas 4750.	mite, Lime. Mud: Wa	ater. Backgrou	nd gas 2500,
March 8:	Drilling @ 8956' (68') Shale, Dolo Background gas 2000, Connection ga good cut, open frac.			
March 9:	Drilling @ 9236' (280') Dolomite, gas 3000, Connection gas 5500. Sl	owly lost 60 barrels	s while mudding	
March 10:	check for hole in drill string bed Drilling @ 9362' (126') Shale, Lim of hole to change washed out shock	ne, Dolomite, Sand. s sub. Washed 375' t	Mud: 9.4, 36, to bottom. Ios	t 12 barrels
March 11:	mud on trip. Background gas 1100, Trip @ 9551' (189') Shale, Lime, E Connection gas 2800.			
18. I hereby cert	Connection gas 2800.  Connection gas 2800.  Correct		11	
SIGNED	TITLE Dis	strict Manager	DATE April	11, 1973
(This space f	for Federal or State office use)			

DATE \_\_\_

TITLE \_\_\_

APPROVED BY \_\_\_\_\_\_\_\_ CONDITIONS OF APPROVAL, IF ANY:

OGCC-1 be	s:	TATE OF UTAH	SUBMIT IN TRIPLICATES		
0		SERVATION COMMIS	(Other instructions on reverse side)	5. LEASE DESIGNATION	AND SERIAL NO.
C	IL & GAS CON	ISERVATION COMMIS	510 N	#163.319.002	
(Do not		OTICES AND REPORTS posals to drill or to deepen or plu ICATION FOR PERMIT—" for such		6. IF INDIAN, ALLOTTE	OR TRIBE NAME
1.				7. UNIT AGREEMENT NA	мя
WELL LXX					
2. NAME OF OP				8. FARM OR LEASE NAM	
8. ADDRESS OF	Oil Corporati	LON		CHRISTMAN-BL	AND
		alt Lake City, Utah 8	2/115	#1-31	
4. LOCATION OF		a clearly and in accordance with a		10. FIELD AND POOL, O	R WILDCAT
				11. SEC., T., R., M., OR I SURVEY OR AREA	LE. AND
14. PERMIT NO.		15. ELEVATIONS (Show whether	DF, RT, GR, etc.)	12. COUNTY OF PARISH	18. STATE
16.	Check A	Appropriate Box To Indicate	Nature of Notice, Report, or C	Other Data	
	NOTICE OF INT	ENTION TO:	presue	UENT REPORT OF:	
TEST WATER	R SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING V	VELL
FRACTURE T	REAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	ASING
SHOOT OR A	CIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONME	(T*
REPAIR WEL	.L	CHANGE PLANS	(Other)		
(Other)			(Note: Report results Completion or Recomp	of multiple completion letion Report and Log for	m.)
17. pescribe rad proposed	POSED OR COMPLETED O work. If well is direct	PERATIONS (Clearly state all pertinitionally drilled, give subsurface lo	ent details, and give pertinent dates, ecations and measured and true vertic	including estimated dat al depths for all markers	e of starting any and zones perti-
nent to thi	is work.) *				
March 12:	R MARCH, 1973		ale. Mud: 10.1, 49, 6.4	Magatch Tra	ne @ 9603!
rater 12.		· · · · · · · · · · · · · · · · · · ·	s 1800, Connection gas		
	Mud: in-10.1		s 1000, connection gas	2500. 111p ga	5 10,000.
March 13:	Drilling @ 9	793' (166') Lime, Sh	nale, Pyrite. Mud: 10,	47, 5.6. Bac	kground gas
March 14:		ction gas 3200.	le. Mud: 10.1, 60, 5.6.	Drilling bro	ar a gool!
ration 14.	10,000'. 3 m	nin/ft. Background o	gas 1700-2100, Connecti ase in gas - 2100-4200	on gas 2700, D	
March 15:	Depth: 10,06	52' (62') Lime, Sand.	. Mud: 10.7, 72, 4.4. 0,000. Conditioning mu	Background gas	1200,
March 16:	Depth: 10,06 before loggi 1200, Trip g gas 1100. P a ICM ball o Rig down log	52' (0') Circulating ng. Mud cut 1/2# af gas 2800. Circulated POH for logs. Dual 1 on it. Cleaned tool ggers and GIH with dr	and raising mud wt. @ Eter trip (10.2 in, 9.6 I and raised mud wt. to Induction stopped at 86 and re-ran it. Pressu o and bit. Gained 57 h	10,062'. Mad a cout). Backgro 10.4 in, 10.4 20'. Pulled to ure buildup on	ound gas out. Backgrou ool out, had lub. to 175#.
March 17:	Logging @ 10 trouble with	Sonic, now re-runni	n: 10.6 in, 10.0 out. n: 10,046'. Ran Dual-I ing. Mud: 10.8 in, 10. nile logging, 12 barrel	6 out, 78, 7.8	
i8. I hereby cer	tify that the foregoing	is true and correct			
signed _E	3. G. Alexande	er TITLE I	District Manager	DATE April	11, 1973

DATE \_\_

TITLE \_\_

(This space for Federal or State office use)

OGCC-1 be	0.77		••	SUBMIT IN TRIPLICA	TE•	
01	ا S IL & GAS CON	SERVATION O		(Other instructions on verse side)	5. LEASE DESIGNATION	
<del>,</del>					#163.319.002	
(Do not 1	SUNDRY NO use this form for prop Use "APPLIC			ON WELLS  pack to a different reservoir.  roposals.)	<b>3. 17 1.1011.</b>	-
1.	<u> </u>				7. UNIT AGREEMENT N.	AMB
WELL T	GAS OTHER					
2. NAME OF OPE	RATOR				8. FARM OR LEASE NA	MB
McCulloch (	Oil Corporati	.on			CHRISTMAN-BI	AND
8. ADDRESS OF O		_			9. WELL NO.	
	100 South, Sa				#1-31	
4. LOCATION OF N See also space At surface	well (Report location e 17 below.)	clearly and in accor	dance with any	State requirements.*	10. FIELD AND POOL, O	BLK. AND
14. PERMIT NO.		15. BLEVATIONS (	Show whether DF	, RT, GR, etc.)	12. COUNTY OR PARISE	I 18. STATE
						<u> </u>
16.	Check A	Appropriate Box 1	To Indicate N	lature of Notice, Report, o	or Other Data	
	NOTICE OF INT				SEQUENT REPORT OF:	
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
TEST WATER		PULL OR ALTER CAS		WATER SHUT-OFF	REPAIRING ALTERING C	
FRACTURE TR		MULTIPLE COMPLET	E	FRACTURE TREATMENT	ABANDONME	<u> </u>
SHOOT OR AC		ABANDON*	<b>  </b>	SHOOTING OR ACIDIZING	ABANDONNE	**
REPAIR WELL	,	CHANGE PLANS	<b>  </b>	(Other)(Note: Report res	sults of multiple completion	on Well
(Other)	POSED OF COMPLETED O	DEBATIONS (Clearly St	tate all nertinen		ompletion Report and Log for stes, including estimated day	
proposed w	ork. If well is direct	tionally drilled, give	subsurface locat	t details, and give pertinent de tions and measured and true ve	ertical depths for all marker	s and zones perti-
	R MARCH, 1973	- Continued				
March 18:	Circulating	and condition	ming hole	to run 7" casing	@ 10,062'. Throu	igh logging
	@ 10:00 pim.	3/17/73. R	an Sonic	and DHC. clean up	trip to run 7".	Background
	gas 3200, Tr	rip gas 12,00	0. Mud:	10.8, 68, 5.8.		
March 19:	Depth: 10,06	52' (0') Laye	ed down 4	1/2" drill pipe and	d drill collars.	Now running
	7" casing.	Mud: 10.8, 6	58, 5.			
March 20:	WOC @ 10,062	2'. Ran 236	joints 7"	, 23#, 26#, N-80.	Set @ 10,052'.	Cemented with
	265 sacks Ha	alco Lite, l/	4# flocel	e/sack. Followed	with 200 sacks Cl	Lass "G",
	1/4# flocele	e/sack, .3% H	IR-4. Plu	g down at 4:24 p.m	. 3/19/73. Full	returns
	during job.				- C	l Nimala un
March 21:	WOC @ 10,062	2'. Ran Temp	erature S	urvey. Found top	or cement @ 6900	. Withbre nb
M1- 22	and test BOP	? to 5000#.	Preparing	to pick up 3 1/2"	a 10 063! Dick	up 4 1/2"
March 22:	Depth: 10,06	o2' (0') Circ	ulating.	Build mud volume	from 10 007'-10 (	up 4 1/2
Massah 22.	Orilling 6 1	rs and 3 1/2"	Cand Li	pe. Drill cement me, Shale. Mud: 11	1 45 4 Backe	around das
March 23:		io,120 (30 ) ion gas 200.		me, share. Mud. II	•1, 45, 4. Dack	ground gas
March 24:				hale. Mud: 11.1, 5	0. 4.8. Backgrou	ınd gas 80.
March 24.	Connection g		, bara, b	mare. Mad. 11.17 3	o, 4.0. Daoigro	and gab co,
March 25.	Drilling @ 1	10.314' (92')	Sand, Sh	ale. Mud: 11.0, 45	. 4.8. Backgroun	nd gas 80.
rater 25.	Connection of		barra, br		, 1000	J ,
March 26:			Shale, I	ime. Mud: 11.1, 47	, 5.2. Backgroun	nd gas 50,
	Connection of that the foregoing					<del>-</del> ,
SIGNED B	3. G. Alexande	er	TITLE Di	strict Manager	date Apri	<u>1 11, 1973</u>
(8)	for Modernal or State -					

TITLE \_\_\_\_

DATE \_\_\_\_

SUBMIT	' IN	TRIPL	ICA?	LE.
(Other	instr	uctions	on	re-

01	IL & GAS CONS	SERVATION CO	MMISSIO	(Other instructions verse side)	5. LE	CASE DESIGNATION	
						163.319.00	
(Do not 1	SUNDRY NOT use this form for proporties "APPLICATION"	ICES AND RE	PORTS Of plug back-" for such prop	N WELLS  k to a different reservoir.  possals.)	İ	THE STATE OF THE S	
OIL XX	GAS WELL OTHER				7. UN	NIT AGREEMENT NA	MB
2. NAME OF OPE					1	RM OR LEASE NAS	
MCCULIOCA 8. ADDRESS OF O	Oil Corporati	on				IRISTMAN-BL	.AND
	2100 South, Sa	alt Lako City	litah 84	115	ł	-37	
4. LOCATION OF V	WELL (Report location ce 17 below.)	learly and in accordan	ce with any St	ate requirements.	1 "	IELD AND POOL, O	R WILDCAT
At surface	e 17 below.)			•	l.	amont	
					l	EC., T., R., M., OR B SURVEY OR AREA	LE. AND
1257' FNL	& 1552' FEL,	SE NW NE, Sec	31		Sec		! S., R. 4 W.
14. PERMIT NO.		15. BLEVATIONS (Sho	w whether DF, R	r, gr, etc.)		OUNTY OR PARISH	
43-013-30	198	6091' GL			1	esne	Utah
16.	Charle A.			ture of Notice, Report	<del></del>		
			inaicais idal				
	NOTICE OF INTEN	TION TO:		8	UBSEQUENT RE	PORT OF:	
TEST WATER		PULL OR ALTER CASING		WATER SHUT-OFF		REPAIRING W	FLL
FRACTURE TRI SHOOT OR ACI		MULTIPLE COMPLETE		FRACTURE TREATMENT		ALTERING CA	<b>—</b>
REPAIR WELL		ABANDON* CHANGE PLANS		SHOOTING OR ACIDIZIN	G	ABANDONMEN	T*
(Other)	L	. HANGE I BANG		(NOTE: Report	results of mult	tiple completion	on Well
17. DESCRIBE PROPO	OSED OR COMPLETED OPE	RATIONS (Clearly state	all pertinent d	etails, and give pertinent is and measured and true	dates, includi	eport and Log for ng estimated date	of starting any
			surface location			s for all markers	and zones perti-
REPORT FO	R THE MONTH OF	APRIL, 1973		"CONFIDENTIA	<u>\L</u> "		
April 1: April 2:	100, Connect yellow, fluo 12-14 min./f	ion gas 550. rescence, fai t. to 7 min./	Show @ ` r cut. ( ft.	hale, Lime. Muc 10,880'-84', sar Gas increase 750 Mud: 13.8, 48,	nd, light ) units.	brown sta Drilling	in, dull time broke
7.6	ection gas 1	90, Trip gas d at present.	450. Los	st 50 barrels or	trip.	Circulaint	g and con-
April 3:	Drilling @ 1 gas 60, Conn trace cut, 3	1,194' (187') ection gas 13 O unit increa O'-38', silts	Sand, Sl O. Show se, sligh	nale, Siltstone. @ 11,110'-18', nt drilling brea unit increase,	silts <b>ton</b> ık of 8 m	<pre>e, yellow in./ft. to</pre>	fluorescence 7 min./ft.
April 4:	Depth: 11,33 repair swiva	5' (141') San	barrels n	, Lime. Mud: 14 nud last 24 hour	, 65, 5. s. Back	POH to 7 ground gas	" casing to 70, Connectio
April 5:	Drilling @ 1 240 unit gas	1,542' (207') kick. At 11	Sand, St ,468'-474	nale. Mud: 14, H', 100 units. Stone-each kick.	At 11.48	6'-490', 1	50 units.
18. I hereby certify	y that the foregoing is	true and correct			781	······································	······································
SIGNED	All lef		TLE Dist	rict Manager	I	DATE	\$I_ 1 .
(This space for	r Federal or State office	e use)					
APPROVED BY	Y		TLE		I	ATE	

SUBMIT IN TRIPLE	ICA:	LE.			
(Other instructions verse side)			5.	LEASE	DESIGNATION

OIL & GAS CONSERVATION COMMISSION	#163.319.002
SUNDRY NOTICES AND REPORTS ON  (Do not use this form for proposals to drill or to deepen or plug back use "APPLICATION FOR PERMIT—" for such proposals	WELLS to a different reservoir.
1.	7. UNIT AGREEMENT NAME
WELL CX WELL OTHER	
2. NAME OF OPERATOR	8. FARM OR LEASE NAME
McCulloch Oil Corporation  8. ADDRESS OF OPERATOR	CHRISTMAN-BLAND
	9. WELL NO.
140 West 2100 South, Salt lake City, Utah 8411 4. Location of well (Report location clearly and in accordance with any State See also space 17 below.)	5 #1-31 requirements.* 10. FIELD AND FOOL, OR WILDCAT
See also space 17 below.) At surface	Altamont
	11. SEC., T., R., M., OR BLK. AND
	SURVEY OR ARRA
	Sec. 31, T. 2 S., R. 4 W.
14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, G	R, etc.) 12. COUNTY OR PARISH 18. STATE
16. Check Appropriate Box To Indicate Nature	e of Notice, Report, or Other Data
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
	<u></u>
FRACTURE TREAT PULL OR ALTER CASING  MULTIPLE COMPLETE	WATER SHUT-OFF REPAIRING WELL
SHOOT OR ACIDIZE ABANDON*	FRACTURE TREATMENT  SHOOTING OR ACIDIZING  ABANDONMENT*
REPAIR WELL CHANGE PLANS	(Other)
(Other)	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent deta proposed work. If well is directionally drilled, give subsurface locations a nent to this work.)*	ils, and give pertinent dates, including estimated date of starting any and measured and true vertical depths for all markers and zones perti-
APRIL, 1973, REPORT CONTINUED	
April 6: Depth: 11,718' (176') Mud: 14.3, 3/10# mud cut with show @ 11,652'.	47, 5.2. Circulating LCM pill to bottom. Increase mud wt. 3/10# over 6 hours. Lost 12'-18'. Mixed pill, lost 87 barrels displacing
pill. Lost complete returns. Mixe Gas show was @ 11,652'-64', sil <b>ts</b> to	d pill #2, lost 30 barrels displacing pill. ne and sand. 240 unit kick. Background gas Drilling in shale, lime, sand and siltstone.
April 7: Drilling @ 11,764' (46') Sand, Shal shoe, cleaned pits and pumps. Circ	e, Lime. Mud: 14.2, 43, 5.6. POH to casing ulated back to bottom, lost 40 barrels mud. eturns. Background gas 120, Connection gas
April 8: Drilling @ 11,879' (115') Shale, Li 16 barrel increase in 10 minutes. Mud: 13.9 in, 13.4 out. Backgroun	me. Mud: 14.2, 47, 6. Gas kick @ 11,837', Closed well in, DP 125 p\$i, CP 200 psi. d gas 150 up to 1200 units. Circulated 14.4 at 14.2, Background gas 150, Connection gas
14.2 to 13.0#/gal @ 11,890'. Circu	d, lime. Mud: 14.4, 47, 6.0. Mud wt. cut from lated on choke for 4 hours. Raised mud wt. tion gas 420. Top North Horn Trans11,910'.
April 10: Depth: 11,951' (20') Shale, sand.  in hole and broke circulation. Tri  returns (100 barrels) PU in casing  18. I bereby certify that the foregoing is true and correct	Mud: 14.4, 48, 6.0. Stopped at shoe going
SIGNED B. G. Alexander Di	Strict Manager DATE
(This space for Federal or State office use)	
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:	DATE

SUBMIT	IN	TRIPL	ICA?	LE.
(Other i	nstr	uctions	on	re-

SUNDRY NOTICES AND REPORTS ON WELLS  Che not use tiths force for gooppasts of delic or 0, dering a chief back to 1, different reservoir.    Other Committee   Other   Other	01	L & GAS CO	NSERVATION (	COMMISSIO	verse side)	5.	LEASE DESIGNATION	
SUNDRY NOTICES AND REPORTS ON PERSONS AND REPORTS ON PERSONS AND REPORTS ON PERSONS AND REPORTS ON PERSONS AND ADDRESS AND PERSONS AND ADDRESS AND ADD		<del></del>						
MCCUILOR Off Corporation  McCullor Off Corpo	(Do not u					6.	IF INDIAN, ALLOTTE	E OR TRIBE NAME
MCCUILOR Dil Corporation  8. ACRES OF STREAMS  MCCHING Dil Corporation  8. ACRES OF STREAMS  ALTERIOR OF STREAMS  8. ACRES OF STREAMS  8. ACRES OF STREAMS  ALTERIOR OF STREAMS  8. ACRES OF STREAMS	our [					7.	UNIT AGREEMENT NA	MB
14. PERMIT WO.  16. Check Appropriate Box To Indicate Notice, Report, or Other Data  ***NOTICE OF INCRETED DIVISION OF THE INCREDE OF INCRETED TO PART OF THE INCREDIT OF THE			-			8.	FARM OR LEASE NAS	(B
14. PERMIT WO.  16. Check Appropriate Box To Indicate Notice, Report, or Other Data  ***NOTICE OF INCRETED DIVISION OF THE INCREDE OF INCRETED TO PART OF THE INCREDIT OF THE	McCulloch	Oil Corpora	ition			l c	HRISTMAN-BLA	AND
Altamont  11. PERMITE NO.  13. ELEVATIONS (Show whether DY, PT. GR, 40.)  14. PERMITE NO.  15. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Date    NOTICE OF INTERTION TO:   SUBSEQUENT ARTON OF PARTIAL   13. STATE	8. ADDRESS OF OR	PERATOR						
Altamont  11. PERMITE NO.  13. ELEVATIONS (Show whether DY, PT. GR, 40.)  14. PERMITE NO.  15. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Date    NOTICE OF INTERTION TO:   SUBSEQUENT ARTON OF PARTIAL   13. STATE	_140 West	2100 South,	Salt Lake Cit	y, Utah 84	115	#	1-31	
APPROVED BY  18. PREMITE NO.  16. PLEVATIONS (Show whether Dr. Rt. OK. PR.)  16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICES OF INTERTION TO:  THEST WATER SHUT-OFF PRACTICES TREAT  SHOOT ON ACTURE TREAT  PRACTICES TREAT  ARABODISH  ARABODISH  ARABODISH  (Other)  17. DEACAINE OPERATERIO DEFECTIONS (Clority stace all pertinent detalls, and give pertinent dates, including extinated and stones pertinent dates, including extinated and sones pertinent dates, including adopts for all markers and sones pertinent dates, including adopts for all markers and sones pertinent dates, including adopts for all markers and sones pertinent dates, including adopts for all markers and sones pertinent dates, including adopts for all markers and sones pertinent dates, including adopts for all markers and sones pertinent dates, including adopts for all markers and sones pertinent dates, including extinated and sones pertinent dates, including adopts for all markers and sones pertinent dates, including extinated and sones pertinent dates, including extinated and sones pertinent dates, including extinated and sones pertinent dates, including adopts for all markers and sones pertinent dates, including and sones pertinen	oce also space	'ELL (Report locatio 17 below.)	n clearly and in accord	lance with any St	tate requirements.		-	R WILDCAT
16. ELEVATIONS (Show whether DP, NT, OB, ob.)  16. ELEVATIONS (Show whether DP, NT, OB, ob.)  16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data    NOTICE OF INTENTION TO:   STREET WAZER BRUT-OFF   POLL OR ALTER CANING   WALER SHUT-OFF   PRACTURE TREAT   SHOOT OR ACTIONER   ALTERING CANING   MINISTER CONTILUTE   ALTERING CANING   ALTERING CANING   MINISTER CONTILUTE   ALTERING CANING   MINISTER C	At surface							
16. Check Appropriate Box To Indicate Notice of Notice, Report, or Other Data  **Notice of Internation To:  That water shurpers and one of Internation To:  That water shurpers and one of Internation To:  That water shurpers and one of Internation To:  That water shurpers and the complete and th						] 11.	BURVEY OR AREA	ILK. AND
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  Notice of Interview To.  The attendant of the Complete Service of Notice and Service of Notice and Service of Interview To.  The attendant of the Complete Service of Service of Service Servic						Sa	~ 21 T 2	C D /I W
NOTICE OF INTENTION TO:  TEST WATER SHUT-OFF PRACTURE TREAT SHOOT OR ACIDIE  RETAIN WELL  CHANGE PLANS  CHORNE PLANS  CHANGE PLANS  MACTER SHUT-OFF  PRACTURE TREATMENT  ALTERING VIELL  ALTERING  A	14. PERMIT NO.		15. ELEVATIONS (S	Show whether DF, R	T, GR, etc.)	12.	C. DIS I. Z	18. STATE
NOTICE OF INTENTION TO:  TEST WATER SHUT-OFF PRACTURE TREAT SHOOT OR ACIDIE  RETAIN WELL  CHANGE PLANS  CHORNE PLANS  CHANGE PLANS  MACTER SHUT-OFF  PRACTURE TREATMENT  ALTERING VIELL  ALTERING  A						1		
MOTICE OF INTENTION TO:  THE WATER BHUT-OFF FRACTURE TREAT SHOOT OR ALTERIC CASING MELTIFLE COMPLETE ARABOON* BHOTHER OR ALTERING CALIFOR CANDING CHARGE PLANS  (Other)  (Othe	16.	Check /	Appropriate Box T	o Indicate Na	ture of Notice, Report.	or Other	r Data	<del>'</del>
PRACTURE TREAT BRIOOT OR ACIDIZE BEPAIR WELL (Other)  17. DESCRIBET PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any institute of this work. (The objection of Recompletion Report and Log form.)  APRIL, 1973, REPORT CONTINUED  April 10: Connection gas 850. Show @ 11,926'-928', dull fluorescence.  April 11: Depth: 11,951' (0') Mud: 14.4, 45, 6.2. Circulated and mixed volume with 21#/ barrel of gilsonite, 12#/barrel LCM. Pumped down pill at 10,128'. Lost 134  barrels with no returns. POH to 5409', circulated with 14.4# mud, lost 49  barrels before full returns. Building mud volume at present. Total mud lost - 200 barrels - 24 hours.  April 12: Drilling @ 11,990' (39') Shale, Lime. Mud: 14.5, 58, 8. Circulated and conditions mud @ 5409'. Went in hole with 10 stands and broke circulation. Cleaned out and reamed @ 10,128'-340'. Washed @ 11,890'-951'. Drilled from 11,951'-990' in 9 1/2 hours. Lost 205 barrels mud. No mud lost during drilling operations in last 9 1/2 hours. Background gas 300, Connection gas 450, Trip gas 8000.  April 13: Depth: 12,025' (35') Sand, Lime, Shale. Mud: 14.5, 55, 7.2. Circulating to log.  April 14: Total Depth: 12,025' Sand, Shale. Mud: 14.5, 55, 6.8. Line swarmed on Sonic Log run. Made trip in hole to condition mud. Circulated bottoms up, 9000 units gas with 2#/gal. cut. Lost 40 barrels on trip. Preparing to POH to run Sonic.  April 16: Ran Sonic Log, picked up 4 1/2" liner. Now running liner in hole with 3 1/2" drill pipe. Mud: 14.5, 55, 6.8.  8. I bereby certify that the foregoing is true and correct stores for Federal or State office use)  Approved by				1				
### PRACTURE TREATM SHOOT OR ACLIDEZE  BEPTAIR WELL  CHANGE PLANS  (Other)  (Other)  (Other)  (Note: Report and Lag form.)  (Note: Report and Lag form.)  (Other)  (Note: Report and Lag form.)  (Note: Indicated and mixed volume and mixed volu	TEST WATER S	SHUT-OFF	PULL OR ALTER CASI	NG	WATER SHUT-OFF		REPAIRING W	PELL TO
REPAIR WELL  COTATO  COTATO  (Other)  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Other)  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Note: Report results of multiple completion on Well  (Other)  (Other)  (Note: Report results of multiple completion on Well  (Other)  (	FRACTURE TRE	AT	MULTIPLE COMPLETE		FRACTURE TREATMENT			<del>  </del>
COther   County   C	SHOOT OR ACII	DIZE	ABANDON*		SHOOTING OR ACIDIZING	G	ABANDONMEN	T•
17. Describe proposed on Complete populations (Clearly state all purtnent details, and give pertinent dates, including estimated date of starting any neet to this work).  APRIL, 1973, REPORT CONTINUED  April 10: Connection gas 850. Show @ 11,926'-928', dull fluorescence.  April 11: Depth: 11,951' (0') Mud: 14.4, 45, 6.2. Circulated and mixed volume with 21#/			CHANGE PLANS					
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drill pipe. Mud: 14.5, 55, 6.8.  8. I hereby certify that the foregoing is true and correct  SIGNED B. G. Alexander  (This space for Federal or State office use)  APPROVED BY	April 16:	Ran Sonic	Log. picked w	n 4 1/2" 1	iners on crip. iner Now runni	na line	ing to ron t	0 run 30116. i+h 3 1/2"
SIGNED B. G. Alexander  TITLE District Manager  (This space for Federal or State office use)  APPROVED BY	•	drill pipe	. Mud: 14.5,	55, 6.8.	mer i www.rumm	ng rinc	i in noic w	1011 3 1/2
SIGNED B. G. Alexander  TITLE District Manager  (This space for Federal or State office use)  APPROVED BY	0 7 1							
(This space for Federal or State office use)  APPROVED BY	_			D.2 - J	Ludat Massacra			
APPROVED BY TITLE	SIGNED	o. G. Alexano	uer	TITLE DIST	irict Manager		DATE	1 1 1 1
	(This space for	Federal or State of	flice use)					
			A 3.487	TITLE			DATE	

a OGCC-1 b●	STATE OF UTAH	SUBMIT IN TRIPLICATE	•
0.	IL & GAS CONSERVATION COMMISSI	(Other instructions on re	
0,	IL & GAS CONSERVATION COMMISSI	ON	#163.319.002
(Do not	SUNDRY NOTICES AND REPORTS ( use this form for proposals to drill or to deepen or plug   Use "APPLICATION FOR PERMIT—" for such p	ON WELLS back to a different reservoir.	6. IF INDIAN, ALLOTTER OR TRIBE NAME
OIL WELL	GAS WELL OTHER		7. UNIT AGREEMENT NAME
2. NAME OF OPE			8. FARM OR LEASE NAME
McCulloch	Oil Corporation		
8. ADDRESS OF O	PERATOR		CHRISTMAN-BLAND 9. WELL NO.
140 West 2	2100 South, Salt Lake City, Utah 84	1115	#1-31
4. LOCATION OF	well (Report location clearly and in accordance with any e 17 below.)	State requirements.*	10. FIELD AND POOL, OR WILDCAT
At surface	e II below.;		Altamont
			11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA
			SURVEY OR ARMA
			31, T. 2 S., R. 4 W.
14. PERMIT NO.	15. ELEVATIONS (Show whether DF	RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE
			Duchesne Utah
16.	Check Appropriate Box To Indicate N	ature of Notice Report or C	Other Data
	NOTICE OF INTENTION TO:		UENT REPORT OF:
TEST WATER FRACTURE TRI		WATER SHUT-OFF	REPAIRING WELL
SHOOT OR ACI		FRACTURE TREATMENT	ALTERING CASING
REPAIR WELL		SHOOTING OR ACIDIZING	ABANDON MENT*
(Other)	CHANGE PLANS	(Other)(Note: Report_results	of multiple completion on Well
17. DESCRIBE PROP	OSED OR COMPLETED OPERATIONS (Clearly state all pertinent	Completion or Recomp	letion Report and Log form.)
proposed we nent to this	OSED OR COMPLETED OPERATIONS (Clearly state all pertinent ork. If well is directionally drilled, give subsurface locations.)*	ions and measured and true vertice	al depths for all markers and zones perti-
APRIL, 197	3, REPORT CONTINUED		
April 17:	Total Depth: 12,025'. Ran 54 joi	nts 4 1/2", 13.5#, P	-110, FL4S liner. Set line
	@ 12,024'. Top of hanger @ 9738'	. Float collar @ 11	,978'. Cemented with
	621 sacks 50/50 POZ, 1/4# flocele	/sack, 1.25% D-8R, m	ixed with 15.1#/gal. Slurry
	volume 118 barrels. Good circula	tion throughout job	with back flow when drill
	pipe was pulled out of liner. Jo	b complete 11:55 p.m	. 4/16/73.
April 18:		of cement on top of	liner. Drilled 7600'-8752'
Anus 1 10.	(1152'). Mud: 14.5, 48, 8.		
April 19:	Drilled out cement to 9384', top	of liner. Tested wi	th 900 psi on top of 14.5#
	mud for 15 minutes. OK. Layed d	own drill pipe. Pre	paring to run Baker Bridge
Annil 20.	plug.	Dia	
April 20: April 21:	Ran bridge plug and set @ 2455'.	kig released 12:00 i	mianight 4/19//3.
April 21:			
April 23:			
April 23:			
April 25:			
April 26:		tested RAD stack to	5000 nci Pronomina ta mi
	Rigged up workover unit, pressure up tubing.	cested bur Stack to	buou psi. Preparing to pic
April 27:		5'. GIH with 3 3/4"	bit to top of liner @ 9536'
8. I hereby certif	y that the foregoing is true and correct		

TITLE .

TITLE \_

District Manager

DATE \_\_\_

B. G. Alexander

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_\_\_CONDITIONS OF APPROVAL, IF ANY:

## STATE OF HTAN

SUBMIT	IN	TRIPLI	CA'	TE*
(Other i	natr	uctions	ÓΒ	TO.

	STATE OF UTAH	(Other instructions on	Te
OIL & GAS	CONSERVATION COMMISS	SION verse side)	5. LEASE DESIGNATION AND SERIAL NO.
			#163.319.002
SUNDRY (Do not use this form f	NOTICES AND REPORTS for proposals to drill or to deepen or plu 'APPLICATION FOR PERMIT—" for such	ON WELLS g back to a different reservoir. proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS WELL C	OTHER		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR			8. FARM OR LEASE NAME
McCulloch Oil Corpo	oration		CHRISTMAN-BLAND
140 West 2100 South	h, Salt Lake City, Utah 8	84115	#1-31
4. LOCATION OF WELL (Report le See also space 17 below.) At surface	ocation clearly and in accordance with ar	ny State requirements.	10. FIELD AND POOL, OR WILDCAT Altamont
			11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
			Sec. 31, T. 2 S., R. 4 W.
14. PERMIT NO.	15. BLEVATIONS (Show whether	DF, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE
16. Che	eck Appropriate Box To Indicate	Nature of Notice, Report, or	Other Data
	OF INTENTION TO:		QUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	REPAIRING WELL
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ALTERING CASING ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other)	
(Other)		(Note: Report result	ts of multiple completion on Well pletion Report and Log form.)
nent to this work.) *		nt details, and give pertinent date ations and measured and true verti	s, including estimated date of starting any cal depths for all markers and zones perti-
Drilled	,954'. Tested liner top 27' cement. Cleaned out brine water. POH with t	to II.954'. Displac	4#/gal. mud. Test OK. ced hole with 9.7#/gal.
April 29: Shut in water. 5 minute 11,966'-	12 hours. Well pressure Well died. Closed rams, s. Could not pump into 9500' (flat to GR-Sonic)	d up to 1400 psi. Copressure to 2850 psileak. POH with drill	Model "D" Dacken Could not
April 30: Ran 7" c LCM. Ra	asing scraper with 2 7/8	<ul> <li>Ran junk basket to " tubing to 4998'</li> </ul>	5 5000' to clean out LCM. Circulated out some gas with covered LCM and some gas.
8. I hereby certify that the foreg	roing is true and count		
signed B. G. Alex	•	District Man	
		District Manager	DATE
(This space for Federal or Sta	ate office use)		
APPROVED BYCONDITIONS OF APPROVAL	, IF ANY:		DATE

SUBMIT IN TRIPLICATE\*
(Other instructions on re-

	OIL & GAS CONS	SERVATION COMMISS	verse side)	5. LEASE DESIGNATION	
				#163.319.0	
( <b>D</b> 0		SAND REPORTS  Sals to drill or to deepen or plus  ATION FOR PERMIT—" for such		U. IF INDIAN, ALLOTTER	OR TRIBE NAME
OIL XX				7. UNIT AGREEMENT NA	MB
2. NAME OF				8. FARM OR LEASE NAM	
	ch Oil Corporatio	n		CHRISTMAN-BLA	ND
••		+ Laka City IItah O	A11E	#1-31	
4. LOCATION	OF WELL (Report location of	t Lake City, Utah 8	4115 nv State requirements.*	10. FIELD AND POOL, OR	WILDCAT
See also	space 17 bèlow.) ce	clearly and in accordance with a	.,	Altamont	
				11. SEC., T., R., M., OR B. SURVEY OR ARMA	LK. AND
1257' FN	IL & 1552' FEL, S	E NW NE, Sec. 31		SURVEY OR AREA	
				31, T. 2 S., R	. 4 W.
14. PERMIT N		15. BLEVATIONS (Show whether	DF, RT, GR, etc.)	12. COUNTY OR PARISH	18. STATE
<u>43-013-3</u>	30198	6091' GL		Duchesne	Utah
16.	Check A	ppropriate Box To Indicate	Nature of Notice, Report, or	Other Data	
	NOTICE OF INTER			QUENT REPORT OF:	
				<del>-</del>	
		PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	REPAIRING W	
		ABANDON*	SHOOTING OR ACIDIZING	ABANDONMEN	<u>-</u>
REPAIR V		CHANGE PLANS	(Other)		
(Other)			(NOTE: Report result Completion or Recom	ts of multiple completion of pletion Report and Log for	on Well m.)
17. DESCRIBE	PROPOSED OR COMPLETED OPP	CRATIONS (Clearly State all pertin	ent details, and give pertinent date cations and measured and true verti		
nent to	OR THE MONTH OF		"CONFIDENTIA		and white perti
May 1:	every 1000' wit liner to 3000 p stabilized. Co set model "D" p POH with casing Rigged up Go In Model "D" Packe set. Rigged do production tube	h brine water. Cle si. Slight pressur uld not pump into l acker. scraper and 5 join ternational, ran ju r with expendable p wn Go International	to 9638' (100' inside aned out LCM and some e loss to 2200 psi in iner top. POH with 2 ts 2 7/8" drill pipe and basket to top of lug and flapper valve. Rigged up Hydrotes sembly and ON-OFF too ng. 8 Rd. 6.5#. ABC Merchand Rigged was a Rd. 6.5#. A	mud with gas. 5 minutes, then 7/8" tubing. P and 131 stands 2 iner at 9738'. to 9738'. Pick t, picked up 30' 1 with 2.313 I.D	Tested top of pressure reparing to 7/8" tubing Ran 7" Baker ed up 1' and of Baker profile
May 2.	10,000#. Shut				
1ay 3:	10,000#. Shut Ran 310 joints and pulled 20,0 circulated annu joints in hole 10,805'. Shot	2 7/8" tubing, space 00#, then set in ne lus with fresh wate (4857'). Set Tree	ed out with 10' and 6 utral position. Ran r, then with diesel. and tested to 5000 ps psi. Started to pit	' pup joint. L 152 joints 1 1/2 Pulled 4 joints i. Perforated f	anded tubing " heat strin , left 148 rom 11,953'-
1ay 4:	10,000#. Shut Ran 310 joints and pulled 20,00 circulated annu joints in hole 10,805'. Shot 8 gas. Flowed well 24	2 7/8" tubing, space 00#, then set in ne lus with fresh wate (4857'). Set Tree 8 holes. SITP 1350	ed out with 10' and 6 utral position. Ran r, then with diesel. and tested to 5000 ps psi. Started to pit t. Well flowing oil,	' pup joint. L 152 joints 1 1/2 Pulled 4 joints i. Perforated f at 6:30, making	anded tubing " heat strin , left 148 rom 11,953'- water with heads. Goin
1ay 4:	10,000#. Shut Ran 310 joints and pulled 20,00 circulated annu joints in hole 10,805'. Shot 8 gas. Flowed well 24	2 7/8" tubing, space 00#, then set in new lus with fresh water (4857'). Set Tree 68 holes. SITP 1350 hours to reserve pictive and correct	ed out with 10' and 6 utral position. Ran r, then with diesel. and tested to 5000 ps psi. Started to pit t. Well flowing oil, serve pit before putt	' pup joint. L 152 joints 1 1/2 Pulled 4 joints i. Perforated f at 6:30, making gas and mud by ing into battery	anded tubing " heat strin , left 148 rom 11,953'- water with heads. Goin <u>for test</u> .
May 3: May 4: SIGNED	10,000#. Shut Ran 310 joints and pulled 20,00 circulated annu joints in hole 10,805'. Shot gas. Flowed well 24 to continue to certify that the foregoing in	2 7/8" tubing, space 00#, then set in new lus with fresh water (4857'). Set Tree 68 holes. SITP 1350 hours to reserve pictive and correct	ed out with 10' and 6 utral position. Ran r, then with diesel. and tested to 5000 ps psi. Started to pit	' pup joint. L 152 joints 1 1/2 Pulled 4 joints i. Perforated f at 6:30, making gas and mud by ing into battery	anded tubing " heat strin , left 148 rom 11,953'- water with heads. Goin for test.

(Other)

6. Check A NOTICE OF INTEL TEST WATER SHUT-OFF	ppropriate Box To Indicate Naturation to:  PULL OR ALTER CASING		Other Data  ENT REPORT OF:  REPAIRING W		
4. PERMIT NO.	15. BLEVATIONS (Show whether DF, RT,		12. COUNTY OR PARISH		
See also space 17 below.) At surface			Altamont  11. SEC., T., R., M., OR S SURVEY OR ARRA  31. T. 2 S., F		
40 West 2100 South, Sal	t Lake City, Utah 84115 Clearly and in accordance with any Stat	e requirements.*	10. FIELD AND POOL, OF	R WILDCAT	
. ADDRESS OF OPERATOR	<u> </u>		9. WELL NO.		
cCulloch Oil Corporatio	CHRISTMAN-BLAND #1-31				
OIL GAS WELL OTHER OTHER		***************************************	8. FARM OR LEASE NAM	( D	
OT. [] 04		W	7. UNIT AGREEMENT NA	MB	
	SAND REPORTS ON SAIS to drill or to deepen or plug back ATION FOR PERMIT—" for such propose		6. IF INDIAN, ALLOTTEE	I OR TRIBE NAME	
OIL & GAS CONS	II & GAS CONSEDVATION COMMISSION TELEBRINE		#163.319.002	#163.319.002	
31.	ATE OF UTAH	SUBMIT IN TRIPLICATE* (Other instructions on re-	5. LEASE DESIGNATION	AND SERIAL NO.	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

#### 1973 REPORT CONTINUED

TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL

CHANGE PLANS

- Flowed to reserve pit 24 hours on 3/4" choke. FTP 50-200 psi. Well making oil, gas May and mud. Showing improvement in cleaning up last 8 hours.
- Flowed well 12 hours to reserve pit and 12 hours to battery. Produced 119.2 barrels May oil in 12 hours, 390 MCF gas. GOR: 1638:1. Last 2 hours on 16/64" choke. FTP 250-400 psi. Well made 39.2 BO.
- Flowed well 24 hours on 16/64" choke, and 20/64" choke. FTP 0-550 psi. Produced May 124 BO, 226 MCF gas. GOR: 911:1 Preparing to acidize.
- Acidized with 30,000 gallons 15% HCL, containing FR, NE agent, iron sequestering agent May 30 ball sealers, 400# unibeads. Broke down @ 8600 psi @ 12 BPM. Formation broke to 8300 psi @ 13 BPM. Acid on formation pressure broke to 7700 psi @ 15 BPM. 1st balls hit perfs, pressure increased from 8200 psi to 8400 psi and broke to 8300 psi. 2nd balls hit pressure increased 8700 psi to 8900 psi, then broke to 8700 psi. Average injection rate, 15 BPM, Maximum pressure 9100 psi. ISIP 3900 psi, 10 minutes shut in, 3600 psi. Start flowing well to pit @ 2:00 p.m. Flowed 18 hours to pit on various chokes. Making acid water with some oil and gas.
- May 9: Flowed to reserve pit, producing acid water and gas. Shut in 1 1/2 hours, build up to 300 psi. Shut in for 4 1/2 hours, build up to 1500 psi.
- Flowed well to reserve pit. FTP 350 psi. Flowing water and mud. May 10:
- Flowing to pit on 12/64" choke. FTP 350 psi. Flowing oil and mud. May 11:
- Shut in 12 hours. SITP 1300 psi. Opened to pit on 3/4" choke. FTP 0 psi, 10 minutes May 12: Produced some oil and gas with load water and slugs of mud. Water analysis showed 18. I hereby certify that the foregoing is true and correct

B. G. Alexander	TITLE District Manager	DATE
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

SUBMIT	' IN	TRIPL	ICA7	ϥ	
(Other	instr	ructions	on	L6-	-
manua eld	۱۸۱				

	011 0 040 001		(Other instructions on reverse side)	5. LEASE DESIGNATION AND SERIAL NO.
	OIL & GAS CO	NSERVATION COMMISSI	ON	#163.319.002
(Do		OTICES AND REPORTS ( oposals to drill or to deepen or plug LICATION FOR PERMIT—" for such p		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
i.	GAS [			7. UNIT AGREEMENT NAME
WELL 5	⟨X WELL ☐ OTHER	<u> </u>		
	OPERATOR			8. FARM OR LEASE NAME
	ch Oil Corporati	ion		CHRISTMAN-BLAND  9. WELL NO.
••		alt laka City Utah OA	115	#1-31
4. LOCATION	N OF WELL (Report location	alt Lake City, Utah 84 on clearly and in accordance with any	State requirements.	10. FIELD AND POOL, OR WILDCAT
See also At surfa	space 17 below.)			Altamont
				11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
				Sec. 31, T. 2 S., R. 4 W.
14. PERMIT	NO.	15. BLEVATIONS (Show whether DE	r, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE
10	<i>C</i> 1 1	A	L. Alla B.	01 0
16.		Appropriate Box To Indicate N		
	NOTICE OF IN	TENTION TO:	50858	QUENT REPORT OF:
	ATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
	RE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING ABANDONMENT®
REPAIR	OR ACIDIZE	ABANDON* CHANGE PLANS	SHOOTING OR ACIDIZING (Other)	ABRIDOR BLEIT
(Other)		CHANGE TEAMS	(Note: Report result	ts of multiple completion on Well pletion Report and Log form.)
17. DESCRIBE	PROPOSED OR COMPLETED	OPERATIONS (Clearly State all pertinen	t details, and give pertinent dates	s, including estimated date of starting any
propos nent t	sed work. If well is dire o this work.) *	ectionally drilled, give subsurface loca	tions and measured and true verti	cal depths for all markers and zones perti-
MAY, 197	73 REPORT CONTIN	NUED		
May 12:	water to be ac			
May 13:			y heads. Well died.	Shut in 8 hours, SITP 875 ps
Ma 7.4.	Will continue		CITD 1400 mai /10	harma \
May 14: May 15:	Flowed to pit	to clean up 12 hours.	511P 1400 pst. (12	oduced 50 BO, Estimated 100
may 15.		nd water, 77 MCF gas.		baucea 50 bo, Estimatea 100
May 16:				FTP 700 psi. Produced 18.3
101		287 MCF gas. Shut in		
May 17:	Ran differenti	ial temperature base lo	og, pumped 450 barre	ls 2% KCL water with 300 SCF
-	N2/barrel. Ra	an temperature log, she	owed fluid entering :	zones 9850'-10,080' (80%), som
				and 10,800' (small amount).
				uld not get below 11,200'.
Ma 10.		on 10/64" choke, well		usud čst
May 18:		aring to move in worko		ment job.
May 19: May 20:		<ul> <li>Waiting on workover</li> <li>Moving rig on locat</li> </ul>		
May 20.		Rig on location	1011	
May 22:		bester, displaced heat	string and annulus v	with salt water.
				100 barrels heated brine
<b>J</b> . <b>J</b> .		Pulled heat string ou		
18. I hereby	certify that the foregoing	g is true and correct		
SIGNED	B. G. Alexar	nder TITLE [	District Manager	DATE AND THE STATE OF THE STATE
(This sp	ace for Federal or State	office use)		
APPROV	ED BY	TITLE		DATE
CONDIT	IONS OF APPROVAL, IE	FANY:		DAIN

	S T	TATE OF UTAH	(Other instructions on	re	
	OIL & GAS CON	SERVATION COMMISS	SION verse side)	5. LEASE DESIGNATION AND SERIAL NO	•
				#163.319.002 6. IF INDIAN, ALLOTTEE OR TRIBE NAM	
(Do		TICES AND REPORTS posals to drill or to deepen or plu CATION FOR PERMIT—" for such		U. IF INDIAN, ALBOTTEE OR TRIBE NAME	-
OIL WELL	GAS OTHER			7. UNIT AGREEMENT NAME	_
	OPERATOR			8. FARM OR LEASE NAME	
1cCulloc	ch Oil Corporation	on		CHRISTMAN-BLAND	
3. ADDRESS	OF OPERATOR			9. WELL NO.	
40 West	t 2100 South, Sa	lt Lake City, Utah 8	4115	#1-31	
4. LOCATION See also	OF WELL (Report location space 17 below.)	clearly and in accordance with a	ny State requirements.*	10. FIELD AND POOL, OR WILDCAT	
At surfa	ce			Altamont	
				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
				31, T. 2 S., R. 4 W.	
14. PERMIT	NO.	15. ELEVATIONS (Show whether	DF, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE	
16.	Check A	Appropriate Box To Indicate	Nature of Notice, Report, a	r Other Data	_
	NOTICE OF INT			SEQUENT REPORT OF:	
TEST W	ATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REFAIRING WELL	
	RE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING	
SHOOT (	OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*	
REPAIR	WELL	CHANGE PLANS	(Other)		
(Other)	<del></del>		(Note: Report res Completion or Reco	ults of multiple completion on Well mpletion Report and Log form.)	
17. DESCRIBE	PROPOSED OR COMPLETED OF	PERATIONS (Clearly state all pertin	ent details, and give pertinent da	tes, including estimated date of starting a tical depths for all markers and zones per	ny ti-
nent to	o this work.) *		waste and meagured and true ver	titul deptilo tot all maineto and nonco per	••
	3 REPORT CONTINU		+		
May 24:				rrels 14.4#/gal. mud.  PO s, 2 - 4 1/2" drill colla	
		7/8" tubing. Shut		5, 2 - 4 1/2 drill colla	13,
1ay 25:				ing, leaving packer in ho	le.
14. 20.	Shut down over		acker. For wron cab	ing, rearing packer in no	
1ay 26:			-picker. Latched in	to packer. POH with tubi	nq
Ū	and packer.	, , , , , , , , , , , , , , , , , , , ,	,		•
1ay 27:				@ 9810' in 4 1/2" liner.	
	Pulled out of n	rope socket. Recove	red all electric cab	le. GIH with 1 7/8" over:	shot
				g. Latched onto fish @ 98	
		r locator and setting	g tool. Left settin	g tool sleeve in hole on t	top
Any 20.	of retainer.	into 2 2/01 tubina	162		_  _
1ay 28:	ricked up 3 jo	11165 6 3/8" TUDING,	Circulated out sous	bing and ran to top of fig ral pieces of iron and rul	sil. bbo∽
	POH withtuhing	GIU with Rowon co	circulated but seve	b and 2 7/8" tubing. Unal	bla
	to catch fish	POH with tubing.	ear, Jars, bumper su	b and 2 //o cubing. Unai	JIE
1ay 29:			GIH with 3 3/4" mil	1, 2 - 3 1/2" junk baskets	s and
<b>y</b>	2 7/8" tubing.	Milled up junk and	retainer @ 9810'.	Circulated hole 4 1/2 hour	rs.
	POH with mill.	The second of th			•
R Thereby	certify that the foregoing	is true and correct			_
			District Manager	\$\$\@e d d v de to	
SIGNED		der TITLE	DISCRICT Manager	DATE STATE	_
(This spa	ace for Federal or State of	fice use)			_
APPROV	ED BY	ANY:		DATE	<del></del>
		·			

STATE OF UTAH  OIL & GAS CONSERVATION COMMISSION  SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (CILI)  (DO not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (CILI)  (CILI	OGCC-1 be					
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (De "APPLICATION FOR PERMIT"—" for such proposals.")  (CUI loch Oil Corporation  8. PARM OF LEASE NAME  (CUI loch Oil Corporation  8. PARM OF LEASE NAME  (CUI loch Oil Corporation  8. PARM OF LEASE NAME  (CUI loch Oil Corporation  8. PARM OF LEASE NAME  (CHRISTMAN-BLAND  10. SOCKION OF WILL, (Report location clearly and in accordance with any State requirements."  At surface  (A PERMIT NO.		ST	ATE OF UTAH	SUBMIT IN TRIPLICATE®		
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (DULL WELL OTHER  RAMAGO FORMATOR  (CLUTION Of 11 Corporation  S. ADDARS OF OFMATOR  (CCUTION Of OFMATOR  (CLUTION OF WELL (Report location clearly and in accordance with any State requirements.*  At surface  (A West 2100 South, Salt Lake City, Utah 84115  (DIL STATE AND OFMATOR OF WELL (Report location clearly and in accordance with any State requirements.*  At surface  (A PERMIT NO. 16. BLEVATIONS (Show whether Dr. NT. OR. etc.)  (B. PERMIT NO. 16. BLEVATIONS (Show whether Dr. NT. OR. etc.)  (COLOR)	01	IL & GAS CON	SERVATION COMMIS		5. LEASE DESIGNATION AND	SERIAL NO.
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deeper or plug back to a different reservoir.  (Do not use this form for proposals to drill or to deeper or plug back to a different reservoir.  (Do not use this form for proposals to drill or to deeper or plug back to a different reservoir.  (Do not use this form for proposals to drill or to deeper or plug back to a different reservoir.  (Do not use this form for proposals to drill or to deeper or plug back to a different reservoir.  (CCUI loch Oil Corporation  (ARSTMAN-BLAND  (B. WELL NO.  (HANNE TO OF VELL (Report location clearly and in accordance with any State requirements.*  (A DOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  (A DOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  (A DOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  (A DOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  (A L PERMIT NO.  (A PERMIT NO.  (A DECENIE OF INTENTION TO:  (A DOCATION OF INTENTION TO:  (A DOCATION OF VINTAMETON TO:  (A DOCATION OF INTENTION TO:  (A DOCATION OF VINTAMETOR OF INTENTION TO:  (A DOCATION OF IN				#163.319.002		
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  (ABL ABELL OTHER		SUNDRY NOT	TICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR T	RIBE NAME
OUL WAS WELL OTHER  2. NAME OF OPERATOR  CCUlloch Oil Corporation  S. ADDRESS OF OPERATOR  CHRISTMAN-BLAND  S. ADDRESS OF OPERATOR  S. ADDRESS OF OPERATOR  AT SUMMARY OF OPERATOR  AT SUMMARY OF OPERATOR  CHRISTMAN-BLAND  S. ADDRESS OF OPERATOR  AT SUMMARY OF OPERATOR  AT SUMMARY OF OPERATOR  AND OPERATOR  AN	(Do not a	use this form for prope	osals to drill or to deepen or plu	g back to a different reservoir.		
OLL OTHER  2. NAME OF OFFRATOR  (CCUI) OCH OI] Corporation  3. ADDRESS OF OFFRATOR  (CCUI) OCH OI] Corporation  40 West 2100 South, Salt Lake City, Utah 84115  41-31  1. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  At surface  1. Permit No.  1. Level of the low)  1. See also upace 17 below)  1. See also upace 17 below)  1. See also upace 17 below)  1. Level of the low)  1. See also upace 17 below)  1. See also upace 18 below upa		Use "APPLIC	ATION FOR PERMIT—" for such	n proposals.)		
CCUITOCH Oil Corporation  ADABASS OF OPERATOR  40 West 2100 South, Salt Lake City, Utah 84115  B. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  At surface  At surface  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  TERST WATER SHUT-OFF PRACTURE TREAT  BHOOT OR ACIDIZE  REPAIR WELL  CHANGE PLANS  ALTERINO PDEL MALLE  ALTERINO PLANS  ALTERINO PLANS  ALTERINO  ALTERINO  ALTERINO  ALTERINO  ALTERINO  ALTERINO  ALTERINO  CHANGE PLANS  CH	oir 🗀				7. UNIT AGREEMENT NAME	
8. ADDRESS OF OPERATOR  40 West 2100 South, Salt Lake City, Utah 84115  6. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  At surface  At surface  10. FIELD AND FOOL, OR WILDCAT Altamont  11. BEC. T. E., M. OR BEK. AND BUREFOR AREA  31, T. 2 S., R. 4 W.  12. COUNTY OR PARISH 13. STATE  6. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERNION TO:  TREET WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACTOLIZE REPAIR WELL (Other)  7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinents of this work.)  AY, 1973 REPORT CONTINUED  ay 30: POH, ran Baker cement retainer on wireline and set @ 9850'. Ran Baker stinger, 5 joints 2 3/8" tubing and 2 7/8" tubing, set in retainer @ 9850'. Unabto to circulate thru' perforations. Broke down @ 1/2 BPM @ 7800 psi, pumped into formation 4 BPM @ 3500 psi. Pumped total of 40 barrels.  POH with 2 7/8" tubing. GIH with 7" Baker Retainer Packer and 2 7/8" tubing. Set Packer @ 9715'. Broke down top of liner with 8500 psi. Pump in @ 2 BPM @ 3000 psi. Squeezed with 10 Moved packer to 9400'. Start pumping cement @ 1 BPM @ 2100 psi. Squeezed with 11						
40 West 2100 South, Salt Lake City, Utah 84115  4. Location of well, (Report location clearly and in accordance with any State requirements.*  At surface  11. SEC. T. B. M. OF BLE. AND SCHEET OF AREA  31, T. 2 S., R. 4 W.  12. COUNTY OR PARISH 13. STATE  6. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  TREST WATER SHUT-OFF PRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)  7. DESCRIBE PROPOSED DE COMPLETED OPERATIONS (Clearly state all pertinent details, and give prince date, including estimated date of starting any nemt to this work; well is directionally drifted, give subsurface locations and measured and true vertical depths for all markers and zones pertinents of the work; well is directionally drifted, give subsurface locations and measured and true vertical depths for all markers and zones pertinents of the work; well is directionally drifted, give subsurface locations and measured and true vertical depths for all markers and zones pertinents of the work; well is directionally drifted, give subsurface locations and measured and true vertical depths for all markers and zones pertinents.  AY, 1973 REPORT CONTINUED  ay 30: POH with 3 3/4" mill and 2 7/8" tubing. Ran 3 5/8" gauge ring with wireline to 9870'. POH, ran Baker cement retainer on wireline and set @ 9850'. Ran Baker stinger, 5 joints 2 3/8" tubing and 2 7/8" tubing, set in retainer @ 9850'. Unabto circulate thru' perforations. Broke down 6 1/2 BPM @ 7800 psi, pumped into formation 4 BPM @ 3500 psi. Pumped total of 40 barrels. Preparing to POH to pick up ret. packer.  ay 31: POH with 2 7/8" tubing. GIH with 7" Baker Retainer Packer and 2 7/8" tubing. Set Packer @ 9715'. Broke down top of liner with 8500 psi. Pump in @ 2 BPM @ 3000 psi. Moved packer to 9400'. Start pumping cement @ 1 BPM @ 2100 psi. Squeezed with 16			n		CHRISTMAN-BLAND	
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Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  SUBSEQUENT REPORT OF:  TEST WATER SHUT-OFF PRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL CHANGE PLANS	140 West 21	00 South, Sal	t Lake City, Utah 8	4115	#1-31	
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  SUBSEQUENT REPORT OF:  TEST WATER SHUT-OFF PRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL CHANGE PLANS	4. LOCATION OF V	WELL (Report location of 17 below.)	clearly and in accordance with a	ny State requirements.*	I	DCAT
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL CHANGE PLANS CHANGE PLANS CHANGE PLANS CHANGE PLANS CHANGE PLANS CHANGE PLANS CHANGE WELL CHANGE PLANS CHANGE PLANS CHANGE WELL CHANGE PLANS CHANGE PLANS CHANGE PLANS CHANGE WELL CHANGE PLANS CHANGE PLANS CHANGE WELL ABANDON'S REPAIR WELL CHANGE PLANS CHANGE SHOULD FREE REPORT REPORT TESULTS OF MULTIPLE completion on Well Completion or Recompletion Report and Log form.)  7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any report well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti- IAY, 1973 REPORT CONTINUED  ay 30: POH with 3 3/4" mill and 2 7/8" tubing. Ran 3 5/8" gauge ring with wireline to 9870'. POH, ran Baker cement retainer on wireline and set @ 9850'. Ran Baker stinger, 5 joints 2 3/8" tubing and 2 7/8" tubing, set in retainer @ 9850'. Unab- to circulate thru' perforations. Broke down @ 1/2 BPM @ 7800 psi, pumped into formation 4 BPM @ 3500 psi. Pumped total of 40 barrels. Preparing to POH to pick up ret. packer.  ay 31: POH with 2 7/8" tubing. GIH with 7" Baker Retainer Packer and 2 7/8" tubing. Set Packer @ 9715'. Broke down top of liner with 8500 psi. Pump in @ 2 BPM @ 3000 psi Moved packer to 9400'. Start pumping cement @ 1 BPM @ 2100 psi. Squeezed with 10	At surface	· · · · · · · · · · · · · · · · · · ·			Altamont	
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sacks 50/50 POZ with retarder and flocele. Squeezed to 3500 nsi with 14 5#/gal m	Mo	ved packer to	9400'. Start pump	ing cement @ 1 BPM @ 21	00 psi. Squeezed	with 10
	sa	cks 50/50 POZ	with retarder and	flocele. Squeezed to 3	3500 psi with 14.5	#/gal.n

18. I hereby certify that the foregoing is true and correct B. G. Alexander TITLE District Manager DATE (This space for Federal or State office use) APPROVED BY \_\_\_\_\_\_\_ CONDITIONS OF APPROVAL, IF ANY: DATE \_

No flow back. POH with packer and tubing.

SUBMIT IN TRIPLICATE\*
(Other instructions on re-

		OIL & GAS CON	SERVATION COMMISS	ION (Other Instructions on re	5. LEASE DESIGNATION AND SERIAL NO. #163.319.002
**************************************	(Do n		TICES AND REPORTS posals to drill or to deepen or plus (CATION FOR PERMIT—" for such		6. IF INDIAN, ALLOTTER OR TRIBE NAME
i.	-		<u> </u>		7. UNIT AGREEMENT NAME
WEL		WELL OTHER			8. FARM OR LEASE NAME
Z. NAM		OPERATOR			CHRISTMAN-BLAND
8. ADD		ulloch Oil Corp	oration	the second secon	9. WELL NO.
20	)00 C	Classen Bldg	Suite 614-E., Oklaho	ma City Okla, 73106	#1-31
4. LOC. See	ATION ( also sp	OF WELL (Report location pace 17 below.)	n clearly and in accordance with an	y State requirements.*	10. FIELD AND FOOL, OR WILDCAT Altamont
					11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
1	1257	' FNL & 1552' F	EL, SE NW NE, Sec. 3	1	
14. PER	MIT NO	1	15. ELEVATIONS (Show whether	DE RT (D etc.)	31, T. 2 S., R. 4 W.
		3-30198	6091 GL	DE, RI, GR. 400.)	Duchesne Utah
16.				Nature of Notice, Report, or (	
		NOTICE OF INT	ENTION TO:	PESSUS	UENT REPORT OF:
TE	BT WAT	TER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FR	ACTURE	TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
		ACIDIZE	ABANDON*	SHOUTING OR ACIDIZING	ABANDON MENT*
	PAIR WI	ELL	CHANGE PLANS	(Other)(Note: Report results	s of multiple completion on Well
	ther)	PROPOSED OF COMPLETED O	PERATIONS (Clearly state all parting		letion Report and Log form.) , including estimated date of starting any
p	roposed	work. If well is directhis work.) *	tionally drilled, give subsurface loc	eations and measured and true vertic	al depths for all markers and zones perti-
		OR THE MONTH OF	JUNE, 1973	"CONFIDENTIAL"	
June	1:			532'. Drilled cement top to 1500 psi with 1	to 9738', top liner. 4.5#/gal. mud. After 30
				th $2-7/8$ " tubing and 6	
June	2:	POH with 2-7/	8" tubing and 6-1/8"	bit. GIH with 3-3/4"	mill, 2350' 2-7/8" SH dril:
		pipe and 2-7/	8" tubing to 9738'.	Shut down overnight.	
June	3:				er at 9851'. Washed to 9912
_			any deeper. Shut do		
June	4:			new mill to 9912' and	drill to 9913' in 8 hrs.
Termo	<b>5.</b>	Shut down ove		7.T 0 5 /0!! 7 1	
June	5:	23501 2 7/9"	ng and drill pipe. (	FIH with 3-5/8" globe	basket with plustrite btm.,
				o any deeper. Shut do	cement retainer from
June	6 <b>:</b>	POH with 2-7/	8" tubing and 3-5/8"	cut right globe backs	t. GIH with 3-3/4" tooth
	•	mill. 2350' o	f 2-7/8" drill pine	and 2-7/8" tubing and	drilled from 9916-9920'
		in 8 hrs. Sh	ut down overnight.	Preparing to come out	of hole.
June	7:	POH with tubi	ng and mill. Junk ba	asket full of pieces o	f steel, probably pieces of
		setting sleev	e. GIH with tubing a	and mill, drilled from	9920-9924' in 4 hrs.
		Retainer fell	loose. Drilled and	pushed retainer from	9924-10,097' in 6 hrs.
		Preparing to	POH with mill and jur	nk basket.	
18. I he	reby co	ertify that the topegoing	is true and correct		
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	BYCLI	(/	District Manager	July 26, 1973
SIG!	NED		TITLE	- 20 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	DATE Sury 20, 1973
(A'h	is spac	e for Federal or State o	flice use)		
APP	ROVE	D B <b>Y</b>	TITLE		DATE
		NS OF APPROVAL, IF			With A M. Commission and Commission

·	OIL & GAS CONS	SERVATION COMMIS  IICES AND REPORTS  States to drill or to deepen or plus ATION FOR PERMIT—" for suc		#163.319.002 6. IF INDIAN, ALLOTTER OR TRIBE NAME
OIL X	GAS OTHER			7. UNIT AGREEMENT NAMB
2. NAME OF O		· · · · · · · · · · · · · · · · · · ·		8. FARM OR LEASE NAME
McCu	lloch Oil Corpo	oration		CHRISTMAN BLAND
8. ADDRESS OF				9. WELL NO.
	<u> </u>	-	ma City, Okla. 73106	#1-31
See also sp	ace 17 below.)	clearly and in accordance with a	any State requirements.	10. FIELD AND POOL, OR WILDCAT
At surface				Altamont  11. sec., T., E., M., OR BLK. AND
1257'	FNL & 1552' FE	L, SE NW NE, Sec.	31	SURVEY OR AREA
14. PERMIT NO.		15. ELEVATIONS (Show whether		31, T. 2 S., R. 4 W.
				Duchesne Utah
	.3-30198	6091' G		
16.	Check A	ppropriate Box To Indicate	: Nature of Notice, Report, or	r Other Data
	NOTICE OF INTER	OT NOITH	SUBS	EQUENT REPORT OF:
TEST WAT	ER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE	<del></del>	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR	ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WE	CLL	CHANGE PLANS	(Other)	
(Other)				ults of multiple completion on Well mpletion Report and Log form.)
proposed	ROPOSED OR COMPLETED OPE work. If well is direction his work.) *	ERATIONS (Clearly state all perti- onally drilled, give subsurface l	nent details, and give pertinent dat ocations and measured and true ver	tes, including estimated date of starting any tical depths for all markers and zones perti-
	3, REPORT CONTI			
June 8:				basket, 2350' drill pipe and
	11 500' in 12	hrs Rit word out	ight spot at 9920°. I Preparing to POH.	Drilled cement from 10,097-
June 9:				/4" bit. Cleaned out from
	11,500-11,960'		in eabiling and new 3 3,	74 bit. Greaned out 110m
June 10:	•		IH to bottom. Circula	ated hole for 2½ hrs. POH
				rill pipe, 4-2 7/8" drill
			s. Shut down overnig	
June 11:	expendable plu ON-OFF tool, 2 1-6' tubing su Sting into Mod	g. Set at 9730'313 profile nipple bs, test tubing to	Ran 30' production to e, 310 jts. 2-7/8" 6.5 10,000 psi. Displace	er Model "D" packer with abe, double seal assembly, 5#, N-80, 8 rd tubing, 2-8', ed hole with 9.8#/gal. brine down on packer with 4000#
June 12:	Ran 148 jts. 1 with diesel. Removed back p Swabbed to 6500	-1/2" tubing. Disp Hung 1-1/2" tubing. ressure valve. SII O' with now show of	Nippled down BOP. CP 2100 psi. Flowed to il or gas. Shut do	er, displaced fresh water Installed Xmas tree. to pit. TP 0 psi in 5 mins. own overnight. This AM, at 4500' (2000' fill in 10 h
18. I hereby ce	erties there the foregoing is	s true and correct		
signed .	so ce-cy	TITLE _	District Manager	DATEJuly 26, 1973
(This space	ofor Federal or State offi	ce use)		
	NS OF APPROVAL, IF A			DATE

OGCC-1 be	s ·	TATE OF UTAH	SUBMIT IN TRIPLICATE		
•	•	NSERVATION COMMISSI	(Other Instructions on r verse side)	5. LEASE DESIGNATION #163.319.	
(Do no		OTICES AND REPORTS  posals to drill or to deepen or plug ICATION FOR PERMIT—" for such p		6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
1.	GAS 🗀			7. UNIT AGREEMENT N	AMB
WELL X	WELL OTHER			8. FARM OR LEASE NA	ME.
	loch Oil Corpo	oration		CHRISTMAN-B	
8. ADDRESS OF		JIACION		9. WELL NO.	
2000 C1	assen Bldg. S	Suite 614-E., Oklahoma	City, Okla, 73106	#1-31	
4. LOCATION O	F WELL (Report location	n clearly and in accordance with any	State requirements.	10. FIELD AND POOL, C	R WILDCAT
At surface	ace 17 below.)			Altamont	
			•	11. SEC., T., R., M., OR SURVEY OR AREA	BLE. AND
1257'	FNL & 1552' I	FEL, SE NW NE, Sec. 31		21 77 2 0	D / 11
				31, T. 2 S.,	
14. PERMIT NO.		16. BLEVATIONS (Show whether Di	F, RT, GR, etc.)		
43-0	013-30198	6091' GL		Duchesne	<u>  Utah                                   </u>
<b>16.</b>		Appropriate Box To Indicate h			
	NOTICE OF INT	TENTION TO:	BUBSE	QUENT REPORT OF:	
TEST WAT	ER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING	F
FRACTURE	<del></del>	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING C	<del></del>
SHOOT OR		ABANDON*	SHOOTING OR ACIDIZING	ABANDONME	
REPAIR WE (Other)		CHANGE PLANS	(Other)(Note: Report resul	ts of multiple completion pletion Report and Log fo	on Well
17. DESCRIBE PI	ROPOSED OR COMPLETED (	OPERATIONS (Clearly State all pertiner	it details, and give pertinent date	s, including estimated dat	te of starting any
proposed nent to the	work. If well is direct his work.) * '3, REPORT CONT	ctionally drilled, give subsurface loca	tions and measured and true verti	cal depths for all marker	s and zones perti-
June 13:		id level 4500'. SITP	400 psi. Swabbed t	o 9000', fluid	level would
	increase 1000	O' each hour. Produci	ng 6 BPH of mud, wat	er, trace oil a	nd gas. Shut
		nt. This AM, fluid le			
June 14:		. Checked fluid level			-
		displacing well flui		-	
		n tubing to 9966', una Shut in for night.	ble to get any deepe	r. POH With tu	bing, rigged
June 15:		pressure. SITP 300 p	gi Flowed well to	recerve nit nr	oducod
ounc 15.		10 bbls. mud with 5 bb			
	1 hr. Ran 1-	-3/4" Bailer and Slick	line to 9920'. Rec	overed small am	ount of oil
	and mud. Rar	n 2-1/8" impression bl	oack to 9920'. Impr	ession block sh	owed two
	gauges 1-1/4'	'apart. Shut in well	12 hrs. SITP 500 p	si. Flowed to	reserve pit,
		) with trace water and			
June 16:		7/8" flat bottom hamme			
	1-5/8" jars a	and bumper sub. Tagge	d up on iron in line	r at 9925'. Mo	ved down hole
	to 9940'. Pi	icked up and iron foll	owed tools up hole I	00'. Knocked i	ron down hole
	to 9905 . Pi	icked up, followed to -5/8" drill pipe.	9950'. Pulled out o	t hole with too	is. Shut in,
June 17:		1/8" Carbolog mill, bu	mper sub 1-5/8" dri	11 mino taggad	fich at 00211
	Jarred on fis	sh, pushed to 10,200'.	mper sub, 1-5/0 dir	ii pipe, tagged	11511 at 9921 .
18. I hereby ce	ertiff that the foregoing	r is true and correct			
	137/10	/ ()	District Manager	T., 1.	v 26 1072
SIGNED _	or way	TITLE	DISCITCE Hanaget	DATE JUL	y 26, 1973
(This space	e for Federal or State	office use)			

DATE \_\_

APPROVED BY \_\_\_\_\_\_\_\_CONDITIONS OF APPROVAL, IF ANY:

SUPMIT IN TRIPLICATE\*
(Other instructions on re-

•••			(Other instructions on verse side)	5. LEASE DESIGNATION	ON AND SERIAL NO.
OIL & G	AS CONSERVAT	TION COMMISSI	ON	#163.319.	.002
CI () I	DV MOTICEC A	ND DEDODES	ON 1 14/ELL C	6. IF INDIAN, ALLOT	
	ORY NOTICES A print for proposals to driuse "APPLICATION FO		DN WELLS back to a different reservoir. proposals.)		<u>.</u>
OIL X GAS WELL	OTHER			7. UNIT AGREEMENT	NAMB
2. NAME OF OPERATOR				8. FARM OR LEASE 1	IAMB
	1 Corporation			CHRISTMAN-I	BLAND
8. ADDRESS OF OPERATOR				9. WELL NO.	
			City, 0kla. 73106	#1-31	
4. LOCATION OF WELL (Rep See also space 17 below	ort location clearly and .)	in accordance with any	State requirements.	10. FIELD AND POOL	, OR WILDCAT
At surface				Altamont	B BLK AND
1957! ENT C 1	552' FEL, SE N	IJ NE Coo 21		BURVEY OR AN	111
1237 FNL & 1	JJZ FELL, SE N	w NE, Sec. JI		31, T. 2 S.	. R. 4 W.
14. PERMIT NO.	15. BLE	VATIONS (Show whether D	7, RT, GR, etc.)	12. COUNTY OR PARI	•
43-013-30198	1	6091'		Duchesne	Utah
	<del></del>				
16.	Check Appropriat	e Box To Indicate N	Nature of Notice, Report, o	or Other Data	
NO	FICE OF INTENTION TO:		SUE	SEQUENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR AL	LTER CASING	WATER SHUT-OFF	REPAIRING	WELL
FRACTURE TREAT	MULTIPLE	COMPLETE	FRACTURE TREATMENT	ALTERING	CASING
SHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDIZING	ABANDON	1ENT*
REPAIR WELL	CHANGE PL	ANS	(Other)	sults of multiple completion	n on Well
(Other)			Completion or Rec	ompletion Report and Log	form.)
<ol> <li>proposed work. If w</li> </ol>	OMPLETED OPERATIONS (Creli is directionally drille	Clearly state all pertiner ed, give subsurface loca	it defails, and give pertinent di tions and measured and true ve	ates, including estimated d ertical depths for all mark	late of starting any ers and zones perti-
nent to this work.) -	RT CONTINUED				
		90', fish hung	, jarred 2½ hrs, 1	Unable to move f	ish. Pressure
up to	3500 psi. Pum	ped 3½ bbls. f	luid. Jarred on f	ish and pushed t	to 11.4991.
Fish h	ung up. Press	ured up to 450	O psi, Pumped 6 bl	bls, fluid into	formation.
jarred	on fish and p	ushed 11,953'.	Circulated for 4	hrs. Pulled ou	it of hole and
laying	down 1-5/8" d	rill pipe.			
June 19: Finish	ed out of hole	with $1-5/8$ " d	rill pipe, bumper s	sub and driving	tool. Started
			*. Swabbing 6 BFPI		
Swabbe	d 16 hrs. for	total recovery	of 96 BF, 30-40% of	oil. Lost swab	and jars in
Lubing	at /out fish	n overshot, ja	rs and sinker bar.	Ran on sand li	ne to fish.
of hal	u onto lish and	a pullea thru	6 collars. Fishing	g string parted.	Pulled out
1atche	d onto fish.	Oversnot in no	le. Ran overshot a	and jars on sand	line and
June 20: Finish	ed pulling out	of hole with	fish. Swabbed 11:0	)O AM +a 2.00 DM	: (/ bas ) fac
	o 9700' and swa	abbing 500-600	ft/hr. Approx. 2-	5 bble fluid b	or hr 00% oil
and 105	% mud and wate:	r. Slight amo	unt of gas. 3:00 F	PM to 7:00 PM s	wahhing 1-1/2
bbls.	fluid per hr.	same. Shut in	at 7:00 PM. After	· 12 hrs shut	in 500 nsi.
Opened	to pit and blo	ed to O psi in	5 mins.		
	4 / 4 - 1	th 20,000 gals	15% HC1 in four a	tages with 3 et	aces of halls
June 21: Acidize	ed (Dowell) wi		· 10% HOT THE LOUI S	reages with 3 st	ages or parts
June 21: Acidize and Uni	ibeads. Had go	ood ball actio	n on each stage. M	lax. Press. 9000	psi. ISIP
June 21: Acidize and Uni 3900 ps	ibeads. Had go si; 5 min. SI (	ood ball actio: 3500 psi; 10 m	n on each stage. M in. 3000 psi. AIR	fax. Press. 9000 16 BPM at 8100	psi, ISIP
June 21: Acidize and Uni 3900 ps	ibeads. Had go si; 5 min. SI (	ood ball actio 3500 psi; 10 m Flowing by he	n on each stage. M in. 3000 psi. AIR ads. producing oil	fax. Press. 9000 16 BPM at 8100	psi, ISIP
June 21: Acidize and Uni 3900 ps we11 to	ibeads. Had go si; 5 min. SI (	ood ball action 3500 psi; 10 m Flowing by he correct small a	n on each stage. M in. 3000 psi. AIR ads, producing oil nount of gas.	<pre>lax. Press. 9000 16 BPM at 8100 (15-20%), acid</pre>	psi, ISIP psi. Flowed water and
June 21: Acidize and Uni 3900 ps	ibeads. Had go si; 5 min. SI (	ood ball action 3500 psi; 10 m Flowing by he correct small a	n on each stage. M in. 3000 psi. AIR ads. producing oil	<pre>lax. Press. 9000 16 BPM at 8100 (15-20%), acid</pre>	psi, ISIP
June 21: Acidize and Uni 3900 ps we11 to	ibeads. Had go si; 5 min. SI is pit 12 hrs.	ood ball action 3500 psi; 10 m Flowing by he correct small a	n on each stage. M in. 3000 psi. AIR ads, producing oil nount of gas.	<pre>lax. Press. 9000 16 BPM at 8100 (15-20%), acid</pre>	psi, ISIP psi. Flowed water and

SUBMIT IN TRIPLICATE®
(Other instructions on re-

SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)  7. UNIT AGREEMENT NAME  OIL WELL OTHER  8. FARN OR LEASE NAME  CHRISTMAN—BLAND  8. ADDRESS OF OPERATOR  CHRISTMAN—BLAND  9. WELL NO.  2000 Classen Bldg., Suite 614—E., Oklahoma City, Oklahoma 73106  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  At surface  10. FIELD AND POOL, OR WILD.  At surface  11. SEC., T., B., M., OR BLE. AND  SURVEY OR ARRA  31, T. 2 S., R. 4  14. PERMIT NO.  15. ELEVATIONS (Show whether DF, RT, GR, etc.)  12. COUNTY OR PARISH 18. ST	Δ1	II & CAS CONS	SERVATION CONVIC	(Other instructions on verse side)	5. LEASE DESIGNATION AND SERIAL NO.
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form to proposalis to did not to despect of plug back to a different reservoir.  (De not use this form to proposalis to did not to despect of plug back to a different reservoir.  (De not use this form to proposalis to did not to despect of plug back to a different reservoir.  (De not use this form to proposalis to did not not to the proposalis).  (De not use this form to proposalis to did not to the proposalis.)  (De not use this form to proposalis to did not to the proposalis.)  (De not use this form to proposalis to the proposalis.)  (De not use this form to proposalis to did not the proposalis.)  (De not use this form to proposalis to did not the proposalis.)  (De not use this form to the proposalis to the proposalis.)  (De not use this form )  (De not use this form.)  (De not use this form.)  (De not use this proposalis.)  (De not use this form.)  (De not use this different parks.)  (De not use this form.)  (De not use this form.)  (De not use this form.)  (De not use this proposalis.)  (De not use this proposalis		IL & GAS CONS	SERVATION COMMISS	SION	#163.319.002
ONTER SHORT OF PRANCES  THEN WELL OF OFFERENCE  MCCUID OF WILL (ROUTE DEALING CASES)  A ADDRESS OF OFFERENCE  A COLOR CLASSED Bldg., Suite 614-E., Oklahoma City, Oklahoma 73106  A COLOR CLASSED Bldg., Suite 614-E., Oklahoma City, Oklahoma 73106  A COLOR CLASSED Bldg., Suite 614-E., Oklahoma City, Oklahoma 73106  A COLOR CLASSED Bldg., Suite 614-E., Oklahoma City, Oklahoma 73106  A COLOR CLASSED Bldg., Suite 614-E., Oklahoma City, Oklahoma 73106  A COLOR CLASSED Bldg., Suite 614-E., Oklahoma City, Oklahoma 73106  A COLOR CLASSED Bldg., Suite 614-E., Oklahoma City, Oklahoma 73106  A COLOR CLASSED BLDG.  A COLOR CLA	(Do not t				6. IF INDIAN, ALLOTTEE OR TRIBE NAME
McCulloch Oil Corporation  8. ADDESS OF OFERATOR 2000 Classen Bldg., Suite 614-E., Oklahoma City, Oklahoma 73106  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  1257' FNL & 1552' FEL, SE NW NE, Sec. 31  14. FERMIT NO. 15. ELEVATIONS (Show whether DV. NV. OA. etc.) 16. OCHEC ADJOURNED TO CONTINUED  17. OCHEC ADJOURNED TO CHARGE CARING SHOW whether DV. NV. OA. etc.) 18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERNION TO:  THAT WATER SHUT-OFF POLL ON ALTER CARING SHOW whether DV. NV. OA. etc.)  NOTICE OF INTERNION TO:  THAT WATER SHUT-OFF POLL ON ALTER CARING SHOW WHETHER CARING SHOW THE ALTERING CARING AND					7. UNIT AGREEMENT NAME
8. ADDEASE OF OFERATION 2000 Classen Bidg., Suite 614-E., Oklahoma City, Oklahoma 73106 4. SOLUTION OF WILL (Record location clearly and in accordance with any State requirements.*  1257' FNL & 1552' FEL, SE NW NE, Sec. 31  1257, FNL & 1552' FEL, SE NW NE, Sec. 31  14. PERMIT NO.  15. ELEVATIONS (Show whether Dr. N. Co., etc.)  16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Date  NOTICE OF INTENTION TO:  THERE WATER AND FOOL, OR WILLD ARABODON* PRACTURE TREAT MUCTORY FRACTURE TREATMENT ANABODON* PRACTURE TREAT MUCTORY FRACTURE TREATMENT ANABODON* (COTHER)  17. PERMIT ON.  18. ELEVATIONS (Show whether Dr. N. Co., etc.)  19. WATER ROUTORY OF Check Appropriate Box To Indicate Nature of Notice, Report, or Other Date  NOTICE OF INTENTION TO:  THERE WATER AND FOOL, OR INTENTION TO:  THERE WATER AND FOOL, OR INTENTION TO:  THERE WATER AND FOOL ALTER CASING ANABODON* PRACTURE TREATMENT ANABODON*  COTHER PROPOSED OR COMPLETE DEPARTINGS (Clearly state all purchased beautions and measured and first vertical depths for all markers and not made in the work.)  19. PROPOSED FROM THE CONTINUED TO THE PROPOSED OR CONTINUED TO THE METER AND TRANSPORT TRANSPORT CONTINUED TO THE METER AND TRANSPORT CONTINUED TO THE METER AND TRANSPORT CONTINUE					8. FARM OR LEASE NAME
2000 Classen Bidg., Suite 614-E., Oklahoma City, Oklahoma 7310  Location or well Report location clearly and in accordance with any State requirements.  At surface  1257' FNL & 1552' FEL, SE NW NE, Sec. 31  14. FERRIT NO.  43-013-30198  16. Check Appropriate Box To Indicate Notice of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  THEST WATER SHUT-OFF FRACTURE TREAT  SHOOT OR ACCURITE  REPAIR WILL  CHANGE PLANS  ALTERNACION  ALTERNACION  ALTERNACION  ALTERNACION  ARABORT  ALTERNACION			ration		
A location or well. (Report location clearly and in accordance with any State requirements."  Alt amont  1257' FNL & 1552' FEL, SE NW NE, Sec. 31  14. PERMIT NO.  43-013-30198  15. ELEVATIONS (Show whether Dr. RI. OR. etc.)  16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERVION TO:  THEN WATER SHUT-OFF PLANS (Show whether Dr. RI. OR. etc.)  16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERVION TO:  THEN WATER SHUT-OFF PLANS (Show whether Dr. RI. OR. etc.)  17. DESCRIPTION TO:  THEN WATER SHUT-OFF PLANS (Show whether Dr. RI. OR. etc.)  18. ELEVATION REPORT OF INTERVION TO:  THEN WATER SHUT-OFF PLANS (Show whether Dr. RI. OR. etc.)  19. MATER SHUT-OFF PLANS (Show whether Dr. RI. OR. etc.)  10. Other)  10. Other)  11. DESCRIPTION TO:  12. COUNTY OR FABLE AND  13. T. 2 S., R. 4  14. PERMIT NO.  15. CHECK APPROPRIATE INTERVION TO:  16. WATER SHUT-OFF PLANS (Show whether Dr. RI. OR. etc.)  17. DESCRIPTION TO THENTION TO:  18. SUPPLIES SHOW OF ACTIVITIES (Other)  19. PAACTURE TRANSHIP OF ACCOUNTING ON ACTIVITIES OF ACCOUNTING (Other)  19. PAACTURE TRANSHIP OF COUNTING OF THE PLANS (Clearly state all pertinent devials, and give pertinent dates, including estimated date of state preposed, work, 17, well is directionally defined, give subsurface locations and measured and true vertical depths for all markers and son UNINE, 1973, REPORT CONTINUED  19. PLOWED TO THE TRANSHIP OF THE PLANS (Clearly state all pertinent devials, and give pertinent dates, including estimated date of state preposed, work, 17, well is directionally deviced, give subsurface locations and markers and son UNINE, 1973, REPORT CONTINUED  19. PLANSHIP OF THE PLANSHI					
Altamont  1257' FNL & 1552' FEL, SE NW NE, Sec. 31  14. FERMIT NO.  15. ELEVATIONS (Show whether Dr. NF. OK. etc.)  16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  TERT WATER RESULT-OFF FRACTURE TREAT SHOT-OFF FRACTURE TREATMENT ANABON'  CHANGE PLANS  CH					
14. PERMIT NO.  43-013-30198  16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTENTION TO:  THEST WATER SHUT-OFF PRACTURE TREAT SHOOT OR ACIDIZE  BHOOT OR ACIDIZE  BEFAIRING CASINO  ABANDON*  CHANGE PLANS  CHANGE P	See also space	e 17 below.)	nearly and in accordance with a	ly State requirements.	Altamont
11. ELEVATIONS (Show whether Dr. Rt. OK. etc.)  43-013-30198  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  **NOTICE OF INTENTION TO:  **REPAIR WELL **NOTICE OF INTENTION TO:  **PRACTURE TREAT **NOTICE OF INTENTION TO:  **REPAIR WELL **OTHER COMPLETE **ABANDON**  (Other) **CHANGE PLANS (Clearly state all pertinent details, and give pertinent dates, including estimated date of star proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and not proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and not	1257' Fi	NL & 1552' FEL	, SE NW NE, Sec. 31	·	
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  Notice of intention to:  TEST WATER SHUT-OFF PRACTURE TRAIT SHOOT OR ACIDITE BREFAIR WELL CHANGE PLANS  CHANGE SHUT-OFF PRACTURE TRATATHEN  SHOOTING OR ACIDIES  REPAIRING WELL  ALTERING CASING  ABANDONNERS  CHORT  REPAIRING WELL  ALTERING CASING  ABANDONNERS  CHORT  (Other)  (NOTE: Report results of multiple completion on Well  Indicate Number of Recompletion Report and Log form.)  (Other)  (NOTE: Report results of multiple completion on Well  ALTERING CASING  ABANDONNERS  (Other)  (NOTE: Report results of multiple completion on Well  ALTERING CASING  ABANDONNERS  (Other)  (NOTE: Report results of multiple completion on Well  ALTERING CASING  ABANDONNERS  (Other)  (NOTE: Report results of multiple completion of Multiple completion on Well  ALTERING CASING  ABANDONNERS  (Other)  (NOTE: Report results of multiple completion Report and Log Completion Report and Lo	PERMIT NO	<del>*************************************</del>	15 Provertova (Chow whether	DW DW GD ata	
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  Notice of Invention to:    Repair Water Bruth of Processes   Notice of Notice of Notice of Notice of Invention to:		-30198			
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THEST WATER SHUT-OFF PRACTURE TREAT SHOOT OR ACIDIZE ARABODA*  CHANGE PLANS (Other)  11. DESCRIBE PROJUSSED OR COMPLETE DEPRATIONS (Cherty state all pertinent details, and give proposed work. If well is directionally drilled, give subsurface localions and measured and true vertical depths for all markers and ton proposed work. If well is directionally drilled, give subsurface localions and measured and true vertical depths for all markers and ton proposed work. If well is directionally drilled, give subsurface localions and measured and true vertical depths for all markers and ton near to this work.)*  June 22: Flowed to pit and died. Shut in 4 hrs. Tubing pressure 400 psi. Opened and died in 5 mins., making only gas.  June 23: Shut in 9 hrs. SITP 0 psi. Preparing to check for fill up and fluid level and died in 5 mins. Rigged up Archer Reed, found fluid at 3700'; fill up 9780'. Bailed to 9784'. Recovered water, mud and sand. Preparing to rig up Nowsco.  June 25: Rigged up Nowsco. Going in hole to 9250' with tubing unit. P0 to 8822', 1 Had full returns. Tubing parted at surface. Preparing to rig up workover June 26: Rigged up Colorado well service. Going in hole with 2-1/8" overshot with grapple and 1 jts. of 1- / " tubing. Latched onto fish, pulled out of hole 40' 3/4" Nowsco tubing and tubing parted each time. Total of 340' of 3/4" recovered.  June 27: Preparing to fish Nowsco tubing. W.O. 1-5/8" DP 24 hrs.  June 28: Fishing Nowsco tubing with 1-5/8" drill pipe and 0.S. Retrieved 1300' of 1 tubing after several trips with overshot.  June 29: Unable to get hold of fish. Shut down overnight. Waiting on bulldog overs Top of fish at 2053', recovered 1524' of fish.  June 30: Going in hole with overshot, unable to get hold of fish. Trip in hole with bottom driving tool to wedge Nowsco tubing inside 2-7/8" tubing. Pulled out hole. Rigged up preparing to pull 2-7/8" tubing.		Check Ar	opropriate Box To Indicate	Nature of Notice, Report, o	r Other Data
PRACTURE TREAT BHOOT OR ACIDIZE BEFORE WELL (Other)  17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give promoted work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sof JUNE, 1973, REPORT CONTINUED  June 22: Flowed to pit and died. Shut in 4 hrs. Tubing pressure 400 psi. Opened and died in 5 mins., making only gas.  June 23: Shut in 9 hrs. SITP 0 psi. Preparing to check for fill up and fluid level shut in 0 psi tubing. Rigged up Archer Reed, found fluid at 3700'; fill up 9780'. Bailed to 9784'. Recovered water, mud and sand. Preparing to rig up Nowsco.  June 25: Rigged up Nowsco. Going in hole to 9250' with tubing unit. P0 to 8822', Had full returns. Tubing parted at surface. Preparing to rig up workover Rigged up Colorado well service. Going in hole with 2-1/8" overshot with 1 grapple and 1 jts. of 1- / " tubing. Latched onto fish, pulled out of hole 40' 3/4" Nowsco tubing and tubing parted. Made six trips, latched onto fish time and 3/4" tubing parted each time. Total of 340' of 3/4" recovered. Preparing to fish Nowsco tubing. W.O. 1-5/8" DP 24 hrs.  June 29: Fishing Nowsco tubing with 1-5/8" drill pipe and O.S. Retrieved 1300' of 1 tubing after several trips with overshot.  June 29: Unable to get hold of fish. Shut down overnight. Waiting on bulldog overs Top of fish at 2053', recovered 1524' of fish.  June 30: Going in hole with overshot, unable to get hold of fish. Trip in hole with bottom driving tool to wedge Nowsco tubing inside 2-7/8" tubing. Pulled ou hole. Rigged up preparing to pull 2-7/8" tubing.		NOTICE OF INTEN	TION TO:	SUBS	EQUENT REPORT OF:
ABANDON ACIDIZE  ABANDON CHANGE PLANS  CHANG	TEST WATER	SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
REPAIR WELL  (Other)	FRACTURE TR	EAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
(Other)  (Note: Report results of multiple completion on Weil Completion or Record and Log form.)  (7. Describe Proposed one Completion Proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zero ment to this work.)  (IV. DESCRIBE Proposed one Completion Records work if well is directionally drilled, give subsurface locations and give pertinent dates, including estimated date of star proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zero ment to this work.)  (IV. DESCRIBE PROPOSED ON THE	SHOOT OR ACT	IDIZE .	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
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	e 30: G b	oing in hole wottom driving	vith overshot, unabl tool to wedge Nowso	le to get hold of fis to tubing inside 2-7/	sh. Trip in hole with flat '8" tubing. Pulled out of
	hereby cortif	fy that the foregoing is	true apd)correct		
DATE OUTY 20, 1	\	SS (ele)	A //	District Manager	July 26 1973
	TOHEN -		TITLE		DATE 19/3
(This space for Federal or State office use)	This space fo	or Federal or State offic	ce use)		

STATE OF UTAH SUBMIT:	IN TRIPLICATE.
OIL & GAS CONSERVATION COMMISSION Verse side)	structions on re-
	#163.319.002
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	8. FARM OR LEASE NAME
McCulloch Oil Corporation	CHR I STMAN-BLAND
8. ADDRESS OF OPERATOR	9. WELL NO.
2000 Classen Bldg., Suite 614-E, Oklahoma City, Ok	cla. 73106   #1-31
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement At surface	ts.* 10. FIELD AND POOL, OR WILDCAT
1257' FNL & 1552' FEL, SE NW NE, Sec. 31	Altamont  11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
14. PERMIT NO.   15. BLEVATIONS (Show whether DF, RT, GR, etc.)	31, T 2 S, R 4 W
43-013-30198 6091' GL	12. COUNTY OR PARISH 13. STATE
	Duchesne   Utah
Check Appropriate Box to Indicate Nature of Notice	e, Report, or Other Data
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHU	UT-OFF REPAIRING WELL
SVICOR OR LOSS	TREATMENT ALTERING CASING
	OR ACIDIZING ABANDONMENT*
(Other)	E: Report results of multiple completion on Well
<ol> <li>DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give proposed work. If well is directionally drilled, give subsurface locations and measured nent to this work.)*</li> </ol>	e pertinent dates, including estimated date of starting any is and true vertical depths for all markers and zones perti-
REPORT FOR THE MONTH OF JULY, 1973 "CONFIDENT	
July 1: Rigging up workover rig.	
July 2: Finished rigging up workover rig. Displaced	heat string with brine. Rigged up
BOP and Hydril. Test BOP 5000 psi, Hydril to	2000 pgi
T-1 2. T-1 1.1	2000 psi.
oury of finished laying down heat string. Pulled out	of hole with 2-7/8" + + + +
33 stands. Found 3/4" tubing. Tied on to 3/4	of hole with $2-7/8!!$ tubing $-7.13.1$
33 stands. Found 3/4" tubing. Tied on to 3/4" tubing.	of hole with 2-7/8" tubing. Pulled 4" tubing. Pulled free. Spooled
33 stands. Found 3/4" tubing. Tied on to 3/4" tubing.  July 4: Spooled up 6000' 3/4" Nowsco tubing. Pulled of	of hole with 2-7/8" tubing. Pulled 4" tubing. Pulled free. Spooled
33 stands. Found 3/4" tubing. Tied on to 3/4 3/4" tubing.  July 4: Spooled up 6000' 3/4" Nowsco tubing. Pulled of Lacked 27 stands being out of hole when Nowsco	of hole with 2-7/8" tubing. Pulled 4" tubing. Pulled free. Spooled out of hole with 2-7/8" tubing.
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DATE \_\_\_\_

TITLE \_\_

APPROVED BY \_\_\_\_\_\_\_CONDITIONS OF APPROVAL, IF ANY:

	STA	ATE OF UTAH	SUBMIT IN TRIPLICATE (Other instructions on re	•	
	OIL & GAS CONS	ERVATION COMMISSION	verse side)	5. LEASE DESIGNATION	
				#163.319	
{D <sub>0</sub>	SUNDRY NOT not use this form for propose Use "APPLICA	ICES AND REPORTS ON sals to drill or to deepen or plug back artion FOR PERMIT—" for such propor	WELLS to a different reservoir.	6. IF INDIAN, ALLOTTE	S OR TRIBE NAME
1.	7] GAS []			7. UNIT AGREEMENT NA	MB
WELL X	OPERATOR OTHER				
	Culloch Oil Corpor			8. FARM OR LEASE NAM	
8. ADDRESS	OF OPERATOR	acton		CHRISTMAN-I	3LAND
200	00 Classen Bldg	Suite 614-E, Oklahoma	City Obla 72106	9. WELL NO. #1-31	
T. LUCATION	or WELL (Report location cl space 17 below.)	early and in accordance with any Stat	e requirements.*	10. FIELD AND POOL, OR	R WILDOAT
At surfac			•	Altamont	
	_			11. SEC., T., R., M., OR B. SURVBY OR AREA	LE. AND
125	7' FNL & 1552' FE	EL, SE NW NE, Sec. 31		SURVBY OR AREA	
14. PERMIT N	0			31, T 2 S, R 12. COUNTY OR PARISH	4 W
	-	15. ELEVATIONS (Show whether DF, RT,		12. COUNTY OR PARISH	18. STATE
	013-30198	6091' GL	· · · · · · · · · · · · · · · · · · ·	Duchesne	Utah
16.	Check Ap	propriate Box To Indicate Natur	re of Notice, Report, or C	Other Data	
	NOTICE OF INTENT			JENT REPORT OF:	
TEST WA	TER SHUT-OFF	ULL OR ALTER CASING	<u></u>	7	
FRACTURE		ULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	REPAIRING W	<del>  </del>
SHOOT OF	R ACIDIZE AI	BANDON*	SHOOTING OR ACIDIZING	ALTERING CAS	<b>-</b>
REPAIR W	CI CI	IANGE PLANS	(Other)		
(Other)				of multiple completion of etion Report and Log form	
proposed nent to	PROPOSED OR COMPLETED OPER.  d work. If well is direction this work.) *	ATIONS (Clearly state all pertinent deta ally drilled, give subsurface locations			
		JULY, 1973 (Continued)	"CONFIDEN		•
July 8:	motor down for	5/8" mill to 9934' (3')	). Started trip fo	or new mill, dra	aw works
July 9:	Pulling out of 1	hole to change mills.	Millad from 000/	/71 /101>	
July 10:	Finished trip for	or 3-5/8" mill, mill 99	MILLIEG ITOM 9934-4	4/' (13').	2 5 /011
•	rack bit, made	4" hole. POH to run le	ead impression bloc	ock POH, ran	3-5/8"
July 11:	kan 3-5/8" lead	impression block to 99	930'. Pulled out o	of hole and ren	1 4+ 3-1/2"
	Masir bibe Mirit	o-o/o snoe and wire ca	Atchers. Cut and $\mathfrak r$	rached from 0030	1 JC. J-1/2 N-9950' foll
T-1 10	Tree. Nam to 1.	1,430, unable to wash	any further. Circ	ii hottome un	
July 12:	rinished circu.	out. Pulled out of ho	ole with 1 it 3_1/	19" work nine -	nd 3-5/8"
	from 11,438' to	snoe in hole. Going in	hole with $3-5/8$ "	flat bottom mil	ll, drilled
July 13:	110m 11,430 to	11,009			
, 230	of hole with 2-7	ng out from 11,689' to	11,964', circulate	ed hole clean.	Pulled out
	to 11.964', circ	7/8" tubing and 3-5/8" culated hole for 4 hrs.	Coming out of he	ole with 3-3/4"	taper mill
July 14:	ruffed out of ho	ole with 2-7/8" tubing	and 3-3//!! m:11	Dom 2 1 /211 .	
	COOT CO JJOO .	CHADLE TO BEL DELOW AA	UU' Pulled out o	f holo	. 1 1
	- 3/0 00 00 101	TITAL PULL PULLED OUR	of hole $ran 3-1/$	/·!! a = 1	
	Worked third tigh	it prace. Kan coor to	II.961' Logged c	acing from 11 0	1611 - 00001
	1001 Hung at 792	.o . If led to free cal	iper tool and pull	ed out of rope	socket. Left
18. I hereby ce	rtify that the foregoing is to	ue and correct			
signed C	harles wat	01 . ,	. Prod. Supt.	DATE 8-24-	·73
(This space	for Federal or State office	use)			
APPROVED	Э ВҮ	MIMT to			
	NS OF APPROVAL IF ANY	TITLE		DATE	

		TATE OF UTAH	Other instructi	IPLICATE.		
	OIL & GAS CON	SERVATION COM	MISSION verse side)		5. LEASE DESIGNATION	
					#163.319.0	02
(Do	SUNDRY NO not use this form for propuse "APPLIC	TICES AND REPC	ORTS ON WELLS or plug back to a different reservor such proposals.)	voir.	6. IF INDIAN, ALLOTTE	OR TRIBE NAME
OIL WELL	GAS WELL OTHER				7. UNIT AGREEMENT NA	мв
2. NAME OF	OPERATOR				8. FARM OR LEASE NAM	<del></del>
McCu	111och Oil Corpor	ration			CHRISTMAN-I	<del>-</del>
8. ADDRESS					9. WELL NO.	DLAND
2000	Classen Bldg.,	Suite 614-E, Ok.	lahoma City, Okla. 7	73106	#1-31	
See also	OF WELL (Report location space 17 below.)	clearly and in accordance	rith any State requirements.*		10. FIELD AND POOL, OF	WILDCAT
at suilet	ie.				Altamont	
1257	'' FNL & 1552' FI	EL, SE NW NE, Se	. 31		11. SEC., T., B., M., OR B SURVEY OR AREA	LE. AND
		,, 50.	01			
14. PERMIT N	0.	15. ELEVATIONS (Show w	other no no on the		31, T 2 S, R	
43-	013-30198		1' GL		12. COUNTY OR PARISH	
16.					Duchesne	Utah
	Check A	ppropriate Box To Indi	cate Nature of Notice, Rep	oort, or O	ther Data	
	NOTICE OF INTER	NTION TO:			INT REPORT OF:	
TEST WAT	TER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF		han in the	
FRACTURE	E TREAT	MULTIPLE COMPLETE	FRACTURE TREATM	ENT	REPAIRING W ALTERING CA	<del>  </del>
SHOOT OR	R ACIDIZE	ABANDON*	SHOOTING OR ACID	IZING	ABANDONMENT	·
REPAIR W	ELL	CHANGE PLANS	(Other)			
(Other)	NAME OF THE OWNER O		(Note: Repo	ort results o or Recomplet	f multiple completion or tion Report and Log form	well Well
proposed	d work. If well is direction this work ) *	RATIONS (Clearly state all ponally drilled, give subsurfa	ertinent details, and give perting ce locations and measured and to	ent dates, in	ncluding estimated date	of starting any
REPORT FO	OR THE MONTH OF	JULY, 1973 (Cont		DENTIAL		and zones perti-
July 14:	(Continued) t	ool in hole. Pi	cked up 3-1/8" OD o	vershot	iar and hump	ar aub
	- //O CUDING.	ran Lubing to	997()' tolt ticht n	1000 00		
July 15:		TH HOTE WILL IT	I/A AVERGIAT TA DR'	ייים לויוי	77~4 6 1	
	and carrier 10	gging cool. Gol	ng in hole with 3-7	/8" +an/	arad m:11 +- A	740'. Could
July 16:	TO BULL DUTON	7/40 MTTH 3-//0	mill. Pulled out	of hold	^	
oury 10.	Waiting on Lyne	noie with tubing	, drill pipe and 3-7	7/8" mi:	ll. Layed down	n drill pipe.
July 17:	Ran scab liner	• Preparing to	a a man t			
July 18:	Ran Baker shear	r plug retainer	with 4-1/2" Baker 1	1		0 = 1011 11
	- CO CUDINE, J	-3/0 OD X Z-1//		10 5001-0	nea Date	1 .
	~~, JJO • IOD	vacker at 9399.	Lemented with 45 c	stro C1 a	IIOII	Am . 1
	I 10 3 3 4	• Orose parts	. Set inflatable bac	יוכסי ייסאי	10000	CC . 1 1
		7±115• 1VII• NV(II	O JUSTED THEFT A FA	111 (1111)	n	
T 10 -		LILE . DUACE DUL ?	MA 1900 /=//X'' +1161	no No		`^!!
July 19:		TE WAY TIOM OUND	. Finished in hold	xrrith l	//Q 3+~ -C 1 1	/011 1 .
	berrie cubing.	Landed I-I/Z 1	UDING RAMAWAA RAD	ond Ur	-d21 T. 11	1 0
	cree and f	repred to Joon Da	II. Kan Archer-Rood	trivo 1	ina and -4-1.	1 . 10 / 00 *
	80 40	CPCI • IVALLI IIVIIII	ISTALLC DATION AND A			
						abbing.
8. I hereby cer	rtify that the foregoing, is	true and correct	in 7 hrs. Fluid 1	evel at	7500'.	
SIGNED C	harles was		Dist. Prod. Supt.		DATE 8-24-7	3
(This space	for Federal or State office	use)			DATE	
APPROVED		TITLE			DATE	
COMPITION	IS OF APPROVAL, IF AN	ix:			DAIN	

# CTATE O

	ST	ATE OF UTAH	SUBMIT IN TRIPLICATE® (Other instructions on re-	• •	
	OIL & GAS CONS	SERVATION COMMISSIO	verse side)	5. LEASE DESIGNATION	
				#163.31	
(Do 1	SUNDRY NOT not use this form for propo Use "APPLIC	IICES AND REPORTS C seals to drill or to deepen or plug ba ATION FOR PERMIT—" for such pro	N WELLS ck to a different reservoir. possis.)	6. IF INDIAN, ALLOTTI	E OR TRIBE NAME
OIL X				7. UNIT AGREEMENT N	EMA
2. NAME OF				8. FARM OR LEASE NA	W#
McCu	lloch Oil Corpor	ation		CHRISTMAN-	
8. ADDRESS	OF OPERATOR			9. WELL NO.	BLAND
2000	Classen Bldg.,	Suite 614-E, Oklahoma	City, Okla. 73106	#1-31	
4. LOCATION See also s	OF WELL (Report location of space 17 below.)	clearly and in accordance with any S	tate requirements.	10. FIELD AND POOL, C	R WILDCAT
At surfac	e			Altamont	
1257	' FNL & 1552' FE	L, SE NW NE, Sec. 31		11. SEC., T., R., M., OR SURVEY OR AREA	BLE. AND
14. PERMIT NO	0.	15. BLEVATIONS (Show whether DF, I		31, T 2 S,	R 4 W
	13-30198	6091 GL	ii, un, etc.)	1	1
16.				Duchense	Utah
10.	Check Ap	opropriate Box To Indicate Na	ture of Notice, Report, or C	other Data	
	NOTICE OF INTEN	TION TO:	SUBSEQU	ENT REPORT OF:	
TEST WAT	TER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING V	FELT.
FRACTURE	E TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING C.	
SHOOT OR	ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONME	NT*
REPAIR W	ELL	CHANGE PLANS	(Other)		
(Other)	DRADARD OF CHANGE		Countetion or Recomple	of multiple completion etion Report and Log for	\
proposed	i work. If well is direction	RATIONS (Clearly state all pertinent on ally drilled, give subsurface location	letails, and give pertinent dates, is and measured and true vertica:	including estimated date l depths for all markers	e of starting any
		JULY, 1973 (Continued)			
		concinacu)	CONF IDENT	LAL.	
July 20:	Swabbing from 7	7500', 300' fluid per	run. Mud slightly w	vater and oil o	uit Swabbad
	TOL 4 Hrs. Pun	nped 30 bbls. water do	wn tubing. Ran slic	rk line to 8500	)' Swabbad
	rrom /300 arte	er 3 nrs. Started mak	ing water, fluid lev	vel raised to 6	5500' then
	10 3400 . Swan	obed approx. 80 bbls.	Ran slick line to 1	11.527'. stuck	tool Pulled
July 21:	Time in to at s	surface. Running 3 pr	ong grab on sand lin	ne, recovered "	500' line
July 21.	0	ick line with sand lin	e. Rec. 600' slick	line. Stuck s	and line at
	to catch fish	grab off at rope socke POH with 1" - remove	t. Picked up I" dri	ll pipe and ov	ershot, unable
July 22:	Pumped down 2-7	7/8" tubing with 9.9#	u tree. Preparing t brine to fill well	o pull 2-//8"	tubing.
-	Hydril to pull	doughnut.	billie to lill well.	rulled heat s	tring. Kemove
July 23:	Set Hydril. Pu	lled 2-7/8" tubing to	fish, recovered all	wire line and	fich Pan
	cubing back in	note, latched onto pa	cker. Started in wi	th 1-1/2" heat	string
July 24:	rinished runnin	lg I−I/2 heat string t	o 5000'. Installed	Ymas tree rem	loved back
	pressure vaive	- 2100 psi SITP. Ope	ned well to pit. Un	loading water	slightly oil
July 25:	cut. 10/04 cn	loke, 100 psi FTP.			
July 25:	Flowed to pit o	Flowed to pit appro	ox. 1/2" stream slig	htly oil cut w	ater.
oury 20.	swabbing unit.	n 24/64" choke. 1/2"	stream slightly oil	cut water. R	igging up
July 27:		hre Fluid down to 50	000! P11 1 6	(0001 00:0-	
-		hrs. Fluid down to 50	out. Full swab from	m 6800', 90-95	% water.
18. I hereby ce	rtify that the foregoing is	true and correct			
SIGNED (	Kailes War	Kons TITLE Dis	st. Prod. Supt.	DATE 8-24	<b>-</b> 73
(This space	for Federal or State office			_ DAIB	
		, woo,		-	
APPROVED	NS OF ADDROVAT IN AN	TITLE		DATE	

SUBMIT IN TRIPLICATES

01	IL & GAS CON	SERVATION C	Ommissic	(Other instructions on verse side)	5. LEASE DESIGNATION	
(Do not	SUNDRY NO	OTICES AND RI	EPORTS C	N WELLS  ck to a different reservoir.  possis.)	#163.319.	
OIL XX	GAS WELL OTHER				7. UNIT AGREEMENT N	AMB
2. NAME OF OPER					8. FARM OR LEASE NAI	¥B
McCul	lloch Oil Cor	poration			CHRISTMAN-	
8. ADDRESS OF O					9. WELL NO.	
2000 Cla	ussen Bldg.,	Suite 614-E, (	Oklahoma	City, Okla. 73106 tate requirements.	1-31	<del></del>
See also space At surface	17 below.)	clearly and in accords	ince with any S	tate requirements.*	10. FIELD AND POOL, O	
					Altamo	
1257	FNL & 1552'	FEL, SE NW NI	E, Sec. 3	1	SURVEY OR ARMA	
					31, T 2 S, R	4 W
14. PERMIT NO.		15. BLEVATIONS (Sh		IT, GR, etc.)	12. COUNTY OR PARISH	18. STATE
43-01	3-31098	60	091' GL		Duchesne	Utah
16.	Check A	Appropriate Box To	Indicate No	ture of Notice, Report, a	r Other Data	
	NOTICE OF INT		1		SEQUENT REPORT OF:	
TEST WATER	SHUT-OFF	PULL OR ALTER CASING				
FRACTURE TRE		MULTIPLE COMPLETE	<b>'</b>	WATER SHUT-OFF FRACTURE TREATMENT	REPAIRING W	<del></del>
SHOOT OR ACI	DIZE	ABANDON*		SHOOTING OR ACIDIZING	ALTERING CA	<del>   </del>
REPAIR WELL		CHANGE PLANS		(Other)		
(Other)				Completion or Reco	ults of multiple completion ompletion Report and Log for	\
17. DESCRIBE PROPO proposed wo	OSED OR COMPLETED OF rk. If well is direct	PERATIONS (Clearly statesionally drilled, give su	e all pertinent bsurface locatio	details, and give pertinent dans and measured and true ver	tes, including estimated date	of starting any
		JULY, 1973 (C				and zones perti-
TIDE ONE TOR	THE HONTH OF	JULI, 1975 (C	oncinued	<u>"CONFIDENT</u>	IAL"	
July 28: 1 S	2 hr. shut in wabbed for 12	n tubing press 2 hrs.	sure 2300	psi. Opend to pi	t, dead in 15 min	ıs.
Ī	2 hr. shut in rom 7200'. I il to pit.	n tubing press Fluid stayed a	t 6000'.	psi. Opened to p Swabbed approx.	it, dead in 15 mi 150 bb1s 90% w	ns. Swabbe tr., 10%
July 30: S	wabbed to pit n 16 <b>/6</b> 4" chol	ke, 350 psi FT	P. Made	bls., - 85% water 16.2 BO, 2.1 BW,	, 15% oil. Flowe 30 MCF, 1875 GOR.	d into tank Water
July 31: 2	6/64" choke,	.4, C1 3300, 8 FTP 175; 10.8 water, 15% oi	BO; 26 B	W; 79 MCF. Swabbo	ed to pit 4 hrs.,	approx.
18 I hawahw acadif	that the feet					
signed C	that the foregoing i	11.	Dict	Prod C+		/ 70
	Federal Control		ITLE DIST	. Prod. Supt.	DATE8-2	<u>4–73                                    </u>
(This space for	Federal or State offi	ce use)				
APPROVED BY	OF APPROVAL, IF A		ITLE		DATE	

OGCC-1be STATE OF UTAH	SUBMIT IN TRIPLICATE*
OIL & GAS CONSERVATION COMMISS	(Other instructions on re-
SUNDRY NOTICES AND REPORTS (Do not use this form for proposals to drill or to depen or pluy Use "APPLICATION FOR PERMIT—" for such	ON WELLS
OIL WELL OAB OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	S. FARM OR LEASE NAME
McCulloch Oil Corporation	CHRISTMAN-BLAND
8. ADDRESS OF OFFIATOR	9. WELL NO.
2000 Classen Bldg., Suite 614-E., Oklahom  6. LOCATION OF WILL (Report location clearly and in accordance with an	as City, Okla. 73106 #1-31  by State requirements.* 10. FIELD AND FOOL, OR WILDCAY
See also space 17 below.) At surface	Altamont
	11. FEC., T., E., M., O. BLK. AND
1257! FNL & 1552' FEL, SE NW NE, Sec. 3	1
14. FERMIT NO.   15. ELEVATIONS (Show whether	31, T 2 S, R 4 W DY, RT, GR, etc.) 12. COUNTY OR PARISE! 18. STATE
43-013-30198 6091' GL	
***	Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO:	SUBSEQUENT EDFORT OF:
TEST WATER ENUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETE	FRACTURE TREATMENT ALTERING CASING
8HOOT OR ACIDIZE ABANDON*	SHOOTING OR ACIDIZING ABANDONMENT*
REPAIR WELL CHANGE PLANS (Other)	(Other)(Note: Report results of multiple completion on Well
7. DESCRIBE PROPOSED OR COMPLETED OPPRATIONS (Clearly State all postly	Completion or Recompletion Report and Log form.)
proposed work. If well is directionally drilled, give subsurface loc nent to this work.)	ations and measured and true vertical depths for all markers and zones perti-
REPORT FOR THE MONTH OF AUGUST, 1973	"CONFIDENTIAL"
August 1: 25/64" choke, 200 FTP; 13 BO; 34	PII. 9/ MCF. (/(1 COP)
August 2: 28/64" choke; 150 FTP; 16 BO; 28	BW: 87 MCF: 543 COD
August 3: 28/64" choke; 150 FTP; 16 BO; 34	BW: 86 MCF: 618 COR
ugust 4: 25/64" choke; 50 FTP; 28 BO; 57 ]	BW: 127 MCF: 4535 GOR
ugust 5: 25/64" choke; 100 FTP; 21 BO; 44	BW: 83 MCF: 3942 GOR
ugust 6: 22 hrs., 17/64" choke; 150 FTP; 8	3 BO: 25 BW: 86.1 MCF: 761 GOR.
ugust /: 14 hrs. on 20/64" choke; FTP 150;	; 11 BO; 16 BW; 48.9 MCF; 4363 GOR. Swabbed
down to 4100. Approx. 150 bbls	, 85% water, 15% oil.
ugust 8: 19 hrs. 22/64" choke; 200 FTP; 17	7 BO; 18 BW; 50.96 MCF; GOR 3000.
ugust 9: 24 hrs. 22/64" choke: 100 FTP: 21	1 BO: 39 BW.
ugust 10: 24 hrs. 22/64" choke; 200 FTP; 22 from report until activity commer	2 BO; 38 BW; 110.55 MCF; 5025 GOR. Dropping
agust 25: Perforated at the following denti-	nces. ns: 10,409', 426', 433', 440', 448', 456', 493',
920 • 32U • 331. 376' 594' 615	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
817', 824', 833', 859', 863', 871	. 876'. 885'. 888'. 896' 912' 917' 926'
963', 049', 087', 105', 111', 114	1', 876', 885', 888', 896', 912', 917', 926', 117', 130', 133', 146', 199', 263', 206',
227 , 233 , 200 , 270 , 322 , 36 ;	) . 369' 403' 468' 783' 500' 575' 750 hainm
dgdst 20. 22 Hrs. 50/04 cnoke, 200 FTP, 5/	' BO. 60 BW. 106 MCF
ugust 27: 24 hrs. 28/64" choke, 200 FTP, 68	BO, 25 BW, 150 MCF. Preparing to acidize.
3. I hereby certify the the toregoths is true and correct	
SIGNUD TITLE	District Manager DATE 9-7-73
(This stare for Federal or State office year)	DAIR

DATE \_\_\_

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

1 OGCC-1 be	•			
	ATE OF UTAH	SUBMIT IN TRIPLICATE.		
OIL & GAS CON	SERVATION COMMISSI	(Other instructions on reverse side)	5. LEASE DESIGNATION	AND SERIAL NO.
	San Hilon Commissi	ON	#163.319.0	002
CHYDRA MO.	TICES AND REPORTS (	ON WELLS	6. IF INDIAN, ALLOTTEE	OR TRIBS NAME
(Do not use this form for prope	osals to drill or to deepen or plug l ATTON FOR PERMIT—" for such p	back to a different reservoir.		
Use "APPLIC	MATION FOR PERMIT—" for such p	roposals.)		
OIL X GAR OTHER			7. UNIT AGREEMENT NA	ME
2. PARE OF OPERATOR			8. FARM OR LEASE NAM	(R
McCulloch Oil Corporat	cion	!	CHRISTMAN-I	3LAND
8. ADDEDGE OF GUSEATOR			9. WELL NO.	
2000 Classen Bldg., Su	iite 614-E, Oklahoma (	City, Oklahoma 73106	#1-31	
2000 Classen Bldg., Su 4. Location of Well (Report location See also space 17 below.)	clearly and in accordance with any	State requirements.*	10. FIELD AND POOL, OR	WILDCAT
At surface			Altamont	•
1257' FNL & 1552' F	FEL, SE NW NE, Sec. 3	1	11. SEC., T., E., M., OR B. SURVEY OR ARMA	LE. AND
	32, 52 A. H. H., Bee. 5.		DURYET ON RESER	•
			31, T 2 S, R	4 W
14. PERMIT NO.	15. ELEVATIONS (Show whether Dr.	, RT, GR, etc.)	12. COUNTY OR PARISH	18. GTATE
43-013-30198	6091' GL		Duchesne	Utah
16. Check A	ppropn <mark>ate Box To Indicate N</mark>	lature of Notice, Report, or O	ther Data	
NOTICE OF INTER	NTION TO:	BUBSEQUE	ENT REPORT OF:	
TEST WATER SHUT-GFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	ELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	BING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMEN	T.
REPAIR WELL	CHANGE PLANS	(Other)		
(Other)		Completion or Recomple	of multiple completion o tion Report and Log form	na )
<ol> <li>DESCRIBE PROPOSED OR COMPLETED OPI proposed work. If well is direction nent to this work.) *</li> </ol>	DEATIONS (Clearly state all pertinent popular or properties of the	details, and give pertinent dates, i ions and measured and true vertical	ncluding estimated date depths for all markers	of starting any and zones perti-
REPORT FOR THE MONTH OF	AUGUST, 1973 (Cont'd)	"CONFIDENTIAL"		
sealers and and 2000# Un on last 3 st to surface i	500# Uni-beads. Tota i-beads. AIP 8700#, ages. Opened well to n 30 mins. Turned we	each, preceded last of 25,000 gals. 15% AIR 17 BPM, ISIP 4700 pit on 3/4" choke, 5 ell to tanks at 5:00 P 64" choke at 1400 psi	HC1, 120 ball psi. Good ba 00 psi tbg. pr	sealers 11 action
August 29: 24 hrs. on 20	0/64" choke: 1100 psi	; 618 BO; 66 BW; 1.10	0 MCEC: 170% C	ΩP
	s. on 21/64" choke: 3	hrs. on 20/64": 10 h	rs. on 18/64".	JK. FTP

1025; 492 BO; 33 BW; 941 MCF; 1912 GOR. 24 hrs. 20/64" choke; FTP 1000; 435 BO; 11 BW; 782 MCF; 1798 GOR.

August 31: FINAL REPORT.

Market and control of the first property of	-TITLE District Manager	DATE9-7-73
(This space for Federal or State office use)		
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

rm OGCC-3	
SUBMIT IN DUPLICATE*	1
STATE OF UTAH (See other instructions on	- No APPLY NO
OIL & GAS CONSERVATION COMMISSION reverse side)	5. LEASE DESIGNATION AND SERIAL NO. #163.319.002
WELL COMPLETION OR RECOMPLETION REPORT AND LOG*	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF WELL:  OIL GAS WELL DRY Other	7. UNIT AGREEMENT NAME
b. TYPE OF COMPLETION:	
NEW WELL WORK DEEP- PLUG DIFF. Other	S. FARM OR LEASE NAME
2. NAME OF OPERATOR	Christman-Bland
McCulloch Oil Corporation	9. WELL NO.
3. ADDRESS OF OPERATOR	No. 1-31
2000 Classen Bldg., Suite 614-E., Oklahoma City, Okla. 73127	10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements).	Altamont
At surface 1257' FNL & 1552' FEL, Sec. 31, T2S, R4W	11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
	1

McCulloc	h Oil Corpora	tion		_	9. WELL NO		
3. ADDRESS OF OPER	ATOR				No. 1	-31	
2000 Cla	ssen Bldg S	uite 614-E	Oklahoma City	, Okla. 73127	10. FIELD A	ND POOL	L, OR WILDCAT
4. LOCATION OF WELL	(Report location clea	irly and in accordance	with any State requir	ements)*	Altam	ont	
At surface 125	7' FNL & 1552	' FEL, Sec. 3	1, T2S, R4W		11. SEC., T., OR AREA		OR BLOCK AND SURVEY
At top prod. inter	rval reported below	Same					
At total depth	Same				31, T2S	, R4	W
		14. PE	RMIT NO.	DATE ISSUED	12. COUNTY PARISH	OR	13. STATE
		#43-	013-30198		Duches	ne	Utah
5. DATE SPUDDED	16. DATE T.D. REACHE	D   17. DATE COMPL. (	Ready to prod.)   18.	. ELEVATIONS (DF, RKB, I	T, GR, ETC.)*	19. E	CLEV. CASINGHEAD
2-5-73	7-15-73	August 2	8. 1973	GL - 6091'			6091'
20. TOTAL DEPTH, MD &			IF MULTIPLE COMPL.,		ROTARY TO	LS	CABLE TOOLS
12,025'	11,	950'	110 17 32111 2		X		
	AL(S), OF THIS COMPI		NAME (MD AND TVD)*			25	. WAS DIRECTIONAL SURVEY MADE
Wasatch 1	10,409-11,545	Ť					No
26. TYPE ELECTRIC AN	D OTHER LOGS RUN					27. W	AS WELL CORED
DIL; CNL;	BHC Sonic						No
28.		CASING RECO	RD (Report all strings	set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING	RECORD		AMOUNT PULLED
13-3/8"	23 & 26#	300'	17-1/2"	400 sks. Cla	ss "H"		None
9-5/8"	36#	4519 <b>'</b>	12-1/4"	625 sks. Cla			None
7''		10,052'	8-3/4"	465 sks. Cla			None

29.		LINER RECORI	)		30.	TUBING RECORD	
4-1/2''	тор (мд) 9738 '	12,024 <sup>†</sup>	sacks cement* 621	SCREEN (MD)	2-7/8 <sup>11</sup>	10,350 t	10,350 t

31. PERFORATION RECORD (Interval, size and number) ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 10,409-11,545' (58 holes) 10,409-11,545 25,000 gals

33.\* PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in) August 1, 1973 Flowing Producing
L. | GAS-OIL RATIO DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR OIL-BÉL. GAS--MCF. WATER-BBL. 9-1-73 24 20/64" 466 1654 FLOW. TUBING PRESS. CASING PRESSURE CALCULATED OIL--BBL. GAS-MCF. WATER-BBL. OIL GRAVITY-API (CORR.) 24-HOUR RATE 466 771 22 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY Vented 35. LIST OF ATTACHMENTS

Electric Log 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records Steve Owen, Engineer 9-11-73 TITLE DATE .

# NSTRUCTIONS

or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

\*\*Mem 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency,

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hem 23: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES ODEPTH INTERVAL TESTED, CUSH	MARY OF POROUS ZONES: 8HOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THERROP DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWIN	ROSITY AND CONTENUSED, TIME TOOL O	TR THERROF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING PER, FLOWING AND SHUT-IN PRESHIERS AND DEPONDED.	38. GEOLOG	GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, MTC.			
				NAME	TOP	P
Wasatch Trans	9,991	10,559'	Sandstone & Siltstone - Fractured	TGr3	8.190	THOSE AREL DELA
Wasatch Lake	10,559'	12,025'	Sands, Limestone & Dolomites - Fractured	Wasatch Trans Wasatch Lake	9,991	
A produce general						
		-				

GRIFFITHS NO. 1 - 33

ALTAMONT

DUCHESNE

UTAR

HOUSTON LOG INTERPRETATION CENTER

CORIBAND JOB THIS JOB IS IN FEET THE INTERVAL FOR THIS JOB IS BOTTOM TO TOP

FREQUENCY OF LISTING IS 1 FOOT DISCRIMINATION MADE ON LISTING IS FROM VSH = 50 PERMEABILITY IS FROM THE E-4 EQUATION

THE CONSTANT IN THE EQUATION IS

DEPTH F	PERM.TO	WATER SAT.	POROSI TOTAL		MATRIX DENSITY	SHALE VULUME	CUMULAT INTEGRA	IVE TIUNS HC=FT	
FEET	(INDEX)	*		•	GM/CC	8	POR-FT	UC-L.	
					2,65	36	45.13	2,66	
7610.0	.00	100	3.1	1.9		30	45,10	2,66	
7611.0	.00	100	3,4	2.6	2,65	31	45.06	2,66	
7612.0	.00	100	3.9	2.6	2,66	39	45,03	2,66	
7613.0	.00	100	2.8	2.8	2.65 2.64	49	45.00	2.66	
7614.0	.00	100	2.2	2.2	2,65	49	44.99	2,66	
7615.0	.00	100	2.4	2.4	2,68	33	44,96	2,66	
7616.0	.00	100	4.5	4.1	2.71	33	44.91	2.66	
7617.0	.01	100	5,6	2.8 1.5	2,69	31	44,05	2,66	
7618.0	.00	100	4.9	2.6	2,69	30	44.81	2,66	
7619.0	.00	100	4,9	2.0	2.71	26	44,76	2,66	
7620.0	.01	100	5.9	.0	2,71	23	44.70	2,66	
7621.0	.02	100	6.4	.0	2.72	26	44,63	2,66	
7622.0	.02	100	6.4	.0	2,71	23	44,57	2,66	
7623.0	.01	100	6.4	.0	2.72	23	44,50	2,66	
7624.0	.02	100	6,9	.0	2,73	20	44,44	2,66	
7625.0	.03	100	7.2	.0	2.72	13	44.37	2,66	
7626.0	.04	100	8.5	.0	2.74	13	44,29	2,66	
7627.0	.10	100	6,6	.0	2.74	16	44,21	2,66	
7628.0	.02		5.7	.0	2.77	19	44.14	2.66	
7529.0	.01	100 100	5.3	- 0	2.76	21	44.09	2,66	
7630.0	.01	100	7,2	.0	2.72	29	44.02	2,66	
7631.0	.04	100	5.6	. 9	2.70	39	43.95	2,66	
7632.0 7633.0	.01	100	4.0	2.2		47	43,90	2,66	
	ala Haik	100	1.7	1.7	2,65	42	43,86	2,66	
7635.0	.00	100	1.7	1.6		40	43,84	2.66	
7636,0			1.0	1.0		48	43,83	2,66	
7637.0	.00					30	43,81	2,66	
7641.0	.00	100	2.9	.0		30 22	43.78	2,66	
7642.0		100	3.8	1	2.73	22	43.73	2.66	
7643,0		100	6.8	2.1		19	43,66	2,66	
7644.0		100	10.5	2.6		13	43,54	2,66	
7645.0	1.21	100	13.0	. 2		16	43.41	2,66	
7646.0	.77	100	12.1	• • •		26	43,31	2.66	
7647.0	.01		5.7			35	43,26	2.66	
7648,0	,00		1.8	1.5		29	43,25	2,66	
7649.0	,00	100	1.4	• 9	2,68 2,67	19	43,23	2.66	
7650.0	) .0(		2.6	•		19	43,20	2,66	
7651.0	,00		2.8			22	43,10	2,66	
7652.	,00		2.3	•		29	43,16	2,66	
7653,			1.6	•	2 2.69	45	43,14	2,66	
7654.	0 .01	0 100	1.3	ď	• • • • • • • • • • • • • • • • • • • •		The state of the s		
The second secon		0 100	3.9		4 2,68	40	43,12	2,66	
7656.			3,2 1,3	1.	3 2,68	42	43,09	2,66	
7657.			. 9			47	43,08	2,66	
7658.	0 .0	A 144	• *				green and a market section of the first		

DEDEH	PERM	WATER	PORUSI		MATRIX	SHALE	CUMULAT INTEGRA	IVE TTUNS	
DETO.	OIL-GAS	SAT.	TUTAL	SEC.	DENSITY	VOLUME	POR-FT	HC-FT	
FEET	(INDEX)	8	8	*	GM/CC	*	LAW-LT		
LFF7	(INDEX)	•							
		4.00	K 1	1.2	2.70	39	43,05	2,66	
7661.0	.00	100	5.1 3.4	1.5	2,69	45	43.00	2,66	
7662.0	.00	700	2 <b>4 4</b>		e Jakara e			. 22	
	^^	100	.7	.7	2,68	49	42.98	2,66	
7672.0	.00	100	1.1	1.1	2.67	43	42.97	2.66	
7673.0	.00	100	1.7	1.7	2,65	40	42.96	2,66	
7674.0	.00	100	1.5	1,5	2.65	41	42.94	2,66	
7675.0	•00	100		.9	2.68	38	42,93	2,66	
7676.0	.00	100	.9 .7	.7	2.69	36	42,92	2,66	
7677.0		100	1.0	1.0	2,69	44	42.91	2,66 2,66	
7678.0	.00	100	3.0	.3	2.76	44	42.90	2.00	
7679.0	•00	100	3,1	.0	2.77	36	42,87	2.66 2.66	
7680.0	.00	100	1.4	.7	2,73	35	42,64	2.66	
7681.0	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100	1.8	1.8	2.68	38	42,83	2,66	
7682.0		100	3.6	3,6	2.66	30	42.61	2,66	
7683.0		100	5.1	5.1	2.65	39	42.76	2,66	
7684.0		100	5.3	4.1	2,67	35	42.71	2,66	
7685.0 7686.0		100	3,3	2.6	2.67	35	42,66	2.66	
7687.0		100	.7	.7	2,69	32	42.64	2,66	
7688.0		100	• 7	.0	2.69	26	42,63	2,66	
7689.0		100	1.3	1.3	2,67	35	42.62 42.61	2,66	
7690.0	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100	.6	. 6	2.69	37	42.61	2,66	
7691.		100	. 4	.0	2.70	24 8	42,60	2,66	
7692.0		100	.7	.0	2,69	0	42,60	2,66	
7693.		100	.2	.0	2,70	12	42,59	2,66	
7694.	No. 10 10 10 10 10 10 10 10 10 10 10 10 10	100	.5	.0	2.70	15	42,59	2,66	
7695.		100	•7	•1	2.69	22	42,58	2,66	
7696.	0 .00	100	.0	.0	2,71	22	42,58	2,66	
7697	.00		.0	.0	2.71	20	42.58	2,66	
7698.	0 .00		,4	.0		25	42,58	2.66	
7699.	a _00	100	.,5	5	2.70 2.72	29	42,57	2,66	
7700.	0 00 0 01 0 12 0 1	100	2.2	1.8		30	42,54	2.66	
7701.	0 .01	100	6.0	2.0		24	42.47	2.66	
7702.	0 .17	100	8.8	.0	2,80	16	42.38	2,66	
7703.	0 .17	100	8.9	. (		14	42,29	2,66	
7704.	0	100	8.9	1.1	2.78	23	42.20	2,66	
7705.	0 .1	100	9.0	**	2.80	23	42.11	2.66 2.66	
7706.	0 .2	100	9,8 10,2	• (	2.80	23	42.01	2,66	
7707.	0 .2	100	9.5	•	2.81	23	41,91	2,56	
7708.		100	10.6		2.81	29	41.81	2,66	
7709,		100	8.6			42	41.71	2,66	
7710.			8.1	•		45	41.63	2,66	
7711.		양성 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	10.0	•	0 2.78	26	41,54	2,66	
7712.			6.0	•	0 2.72	22	41,45	2,66	
7713,			5.0	•	0 2.70	29	41.39	2,66	
7714,	0 0		7.3			29	41,34	2,66	

						SHALE	CUMULAT	IVE	
DEPTH F	PERM.TO	WATER	POROS:		MATRIX DENSITY	VOLUME	INTEGRA	TIONS	
	OIL-GAS	SAT.	TOTAL			***************************************	POR-FT	HC=FT	
FEET	(INDEX)	8	* **	*	GM/CC				
						The state of the s		2.44	
746 0	.84	100	12.2	. 3	2.75	18	41,25	2.66	
716.0	2,08	100	14.2	.0	2,75	<b>5</b>	41.12	2,66	
717.0	2.08	100	14.2	.0	2,72		40.98	2,00	
718.0	2,00	100	14.0	.0	2.72	6	40,84	2,66	
719.0	1,88	100	13.0	.0	2.73	13	40.70	2,66	
720.0	1,19	100	11.3	1.7	2,76	24	40,58	2,66	
721.0 722.0	.53 .04	100	7.5	4.9	2.76	41	40,47	2,66	
			7.7		2,79	48	40,43	2,66	
726,0	.05	100	7.7	.0	2,75	9.04	40.34	2,66	
727.0	1,53	100	13,5	• 0	2,73	Ò	40,21	2,66	
728.0	.86	100	12.3	.6	2,72	0	40.09	2,66	
729.0	,96	100	12.5	1.4	3.47	Š	39,96	2,66	
730.0	.50	100	11.2	1.8	2.71 2.72	16	39,86	2,66	
731.0	.22	100	9,8	1.6	2.75	16	39.75	2,66	
732.0	,95	100	12.5	1.0	2013	26	39.63	2,66	
733.0	,45	100	11.0	1.1	2,73			- 1901-00- magnitude - 1901	
- AMIC 1904 C-1907			- A	. <b>4</b>	2,72	42	39,53	2,66	
737.0	.11	100	8.7	1.4	2.73	15	39,44	2,66	
738,0	.03	100	7.1	.0	2.73	17	39.37	2,66	
739.0	.01	100	5.7	.0	2,71	29	39,32	2,66	
1740.0	.00	100	4.3	8.	2.67	48	39,28	2,66	
7741.0	.00	100	2,0	2.0			7,77,7 <del>3</del> (2,50)	2	
7746.0	.00	100	4,9	4,9	2,64	47	39,27	2,66	
		400	3,0	3.0	2.70	38	39,23	2,66	
7754.0	.00		1.4	1.3	2.70	22	39,20	2.66	
7755.0	.00		. 8	. 4		15	39,19	2,66	
7756.0			1.3	1.3		20	39,19	2,66	
7757.0			1.5	1,5		33	39,17	2,66	
7758.0			1,8	1.6		41	39,16	2,66	
7759.0			1,9	1,6		44	39,14	2,66	
7760.0				. 4		48	39,12	2,66	
7761.0 7762.0		100	.4	i	2,68	46	39.12	2,66	
1192.0						27	39,08	2,66	
7770.0	, 39	100	10.8	4.			38,96	2,65	
7771.0	2.14	79	14.3	3,6			38,81	2,62	
7772.0		5 70	15.0	1.		6	38.67	2.58	
7773.0		5 85	14.1	2.			38,53	2.57	
7774.0			9,8	3.1	2.67			Service Company	
	<b>n</b> gangan pangangan pangaban da	5 100	9.2		2.78	26	38,41	2,57	
7785.0			7.4	• '		6	38,32	2,57	
7786.			6.6				38,25	2,57	
7787.	0 .0		7.0			0	38.19	2.57	
7788.		3 100				0	38,12	2,57	
7789.	0 .0	2 100	6.7			Ō	38,05	2.57	
7790.	_	2 100	6.6				37,98	2,57	
7791.	0 .0	2 100	6.7			- 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		and the second of the second o	

DEPALH	PERM (PP	WATER	POROSI		MATRIX	SHALE	CUMULAT INTEGRA	TIONS	
	CIL-GAS	SAT.	TOTAL		DENSITY	VOLUME	POR-FT		
FEET	(INDEX)			<b>%</b> [ + ]	GM/CC	in de de de la companya de la compa			
		100	4.8	.0	2.72	0	37,92	2.57	
7792.0	00	100	3.4	.0	2.71	0.1	37,88	2.57	
7793.0	.00	100	4.6	.0	2.71	3	37.85	2.57	
7795.0	.05	100	7.7	.0	2,71	4	37.79	2.57	
7796.0	.09	100	8.5	.0	2.69	0	37.71 37.63	2,57	
7797.0	.04	100	7.5	.0	2,68		37.55	2,57	
7798.0	.03	100	6.9	. 4	2,68		37,49	2.57	
7799.0	.00	100	5.0	•0	2.67	9	37.44	2,57	
7800.0	.00	100	4.1	• 0	2.69 2.70	26	37.40	2,57	
7801.0	.00	100	3.2 3.9	2.0	2.68	43	37,37	2,57	
a oviana i				.0	2,79	41	37.31	2,57	
7809.0		100	8.8 10.9	.0	2,76	27	37,22	2,57	
7810.0	,43	100	11.2	1.6	2.74	16	37.11	2.57	
7811.0 7812.0	.51 .00	100	5.2	. 2	2.74	12	37.01	2.57	
7813.0		100	3,1	.8	2.70	28	36.97	2,57	
7814.0	-	100	4,5	1.9	2,74	43	36,93	2,87	
7823.0	, 05	100	7.6	.0	2,01	49	36,91	2.57	
7824.0		100	7.6	.0	2,75	49	36,83	2,57	
7832.0	, 28	100	10.2	.0	2,77	23	36,75	2,57	
7833.		100	6,9	,2	2.71	6	36,66	2.57	
7834.		100	6.2	. 4	2,69	4	36,59	2,57 2,57	
7835		100	7.1	.7	2,70	11	36.53 36.46	2.57	
7836.		100	7.0	1.0	2.71	15	36.39	2.57	
7837.	0 .00	100	4.9	. 6	2.71	19 32	36,35	2,57	
7838.	0 .00	100	2.7	,9	2,70				
7843.	0 .05	100	7.6	.0		49	36,33 36,24	2,57 2,57	
7844.	0 .65	100	11.7	.0	2.17	16	36,13	2,57	
7845.	0 ,36	100	10.6	.0	2.72		36,04	2,57	
7846.	0 .02	100	6.3	• 0	2,69	11	35,97	2.57	
7847.	0 .10	100	8,5	.0		35	35.87	2,55	
7848.	0 .21	88	9.7	.0			· · · · · · · · · · · · · · · · · · ·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
7851.		89	8,2	•0	2.73	17	35,70 35,69	2,53	
7852.	0 .23	100	9.8 7.5	.0	2.73	6	35,60	2,53	
7853.		100	8.7	.0			35.53	2,53	
7854.			9.4	1.1		, see	35.43	2,53	
7855.			8.1	1,9	2,69	16	35,34	2,53	
7856. 7857.			5.0	3.0		39	35,27	2,53	
			0.1	. (	2.78	46	35,24	2,53	
7870			9,6	1.0	2,74	16	35,15	2,53	
7671			8.9	3.			35,06	2,63	
1911	***			Marie and Marketine			- Stiffe age in patrion ages		

	•nnn: #0	WATER	POROS	TTY	MATRIX	SHALE	CUMULA	CIVE	
DEPTH	PERM.TO	SAT.	TOTAL		DENSITY	VOLUME	INTEGRI	ATIONS	
FEET	OIL-GAS (INDEX)	\$ .	8	*	GM/CC		POR-FT	HC-FT	
							34 02	2,53	
7872.0	.68	100	11.8	6.2	2,64	0	34,96 34,84	2.53	
7873.0	.14	100	9.1	6,1	2,64	24 43	34,76	2,53	
7874.0	.03	100	6.9	1.2	2.75	43 25	34.68	2.53	
7875.0	.40	100	10,8	.0	2,80	9	34.57	2,53	
7876.0	.17	100	9.4	.0	2,75		34,48	2,53	
7877.0	.10	100	8.6	.0	2.74	0	34,39	2,53	
7878.0	,23	100	9,8	.0	2.73 2.73		34.29	2.53	
7879.0	.43	100	10.9	.6	2,71		34,18	2,53	
7880.0	1.05	87	12.7	.9	2,68		34,06	2.52	
7881.0		100	10.0	.0	2,71	0	33,96	2,52	
7882.0	,16	100	8.3	.0	2.72	0	33,87	2,52	
7883.0	.08	100 99	10.7	1.2	2,70	Ò	33.79	2,52	
7884.0	.37	67	11.3	3,8	2,65	0	33,60	2,51	
7885.0	.01	100	5.8	.0	2,65	0	33,59	2,49	
7886.0		100	2.0	.0	2,66	10	33,54	2.49	
7887.0		100	1.7	1.7	2,67	17	33.52	2,49	
7889.0		100	1.0	1.0	2,68	23	33,51	2,49	
7890.0		100	.6	.6	2,69	39	33,50	2,49	
7892.0	,00	100	3.2	3.1	2,73	49	33,49	2,49	
7893.0		100	2.2	2.2	2.72	43	33,46	2,49	
7894.		100	1.7	1.7	2.70	41	33,44	2,49	
7895.		100	1.1	1.1	2,68	49	33,43	2,49	
7897.	.08	84	8,2	.0	2,75	44	33,42	2,49	
7898.		100	11.6	1.5	2.77	15	33,33	2.47	
7899.		100	9.4	1.1	2.72	8	33,22	2,47	
7900.	53	100	11.3	2.7	2.68		33.00	2.47	
7901.		100	15.0	3.1	2,67	6	32.85	2,47	
7902.	0 1.94	100	14.1	1.3	2.68 2.68	19	32,71	2,47	
7903.	0 .77	100		4.0		38	32,60	2,47	
7904.	0 .16	100	9.3	7.8					
7912.	0 .01	100	5.8	3.8	2,64	38	32,53	2,47	
7914.	0 .00	100	2,6	2.0	2,73	44	32,48	2,47	
7915.		100	4,3	, 2	2,73	22	32,45	2.47	
7916.		100	4.1	.3	2.71	9	32,40	2.47	
7917.		100	5,1	.1		<b>2</b> 0	32,36	2,47	
7918.	0 .03	92	6.9	. 4			32,30 32,23	2,47	
7919,	0 .07		8.0	• 0	2.74		32,15	2,46	
7920.			7.5	.2		28	32.08	2,46	
7921.	0 .00	100	4,5	3.1	2,69			,, . he + 75/7000# 1860	
7933,	0 .01	100	6,0	5,8	2,65		32,05	2,46	
7936.	0 .08	100	8.2	6.9	2,64	45	31,98	2,46	
	181 - N. H. B. B. B. B. B. B.		24 STREET TO B	2. 12. Sec. 1. 1. 18.					

	DERTH	PERM TO	WATER	POROS:		MATRIX	SHALE	CUMULAT	
	>, :T. <b>%</b>	OIL GAS	SAT.	TOTAL		DENSITY GM/CC	VOLUME	INTEGRA POR-FT	HC-FT
	FEET	(INDEX)			****	· · · · · · · · · · · · · · · · · · ·			
7	937.0	.26	99	10.1	6.1	2,64	32	31,89	2,46
	938.0	.27	98	10.1	5,6	2,64	32	31,84	2,46
	954.0	.00	100	5.2	2.6 3.0	2.74	37 25	31.75	2,46
	955.0 956.0	.00	100	4.9 3.2	3.2	2,65	35	31,66	2,46
	957.0	.00	98	1.8	1.8	2,64	43	31,63	2,46
7	989.0	.42	100	10.9	.0	2,78	23	31,57 31,47	2,46
1000	990,0	.10	100	8.6	.0	2.71	5 2	31,38	2,46
	991.0	.05	100 88	7.6 8.6	.0	2,71	2	31,31	2,46
	993.0	.31	51	10.3	1.2	2.70	4	31,21	2.44
	994.0	.45	51	11.0	1.3	2.69 2.69	12 28	31.00	2,39
	995.0	.37	69 75	10.7	.0	2.71	41	30,90	2,31
2 W			8 32 48 1 1 1	26) 111 (6)		2,74	44	30,78	2,25
	998.0	.08	61 83	9.3	.0	2,69	37	30,70	2.24
	000.0	,16	75	9.3	.0	2.66	37	30.60	2,22
	001.0	.01	100	5.9	1.0	2,68	37 35	30,52 30,47	2.20
	002.0	.00	100	3.3	2.4	2.73 2.74	41	30.43	2,20
1000 W 5 17805		yanta afinda							2,20
	007.0	.08	93	8.3 7.4	5.1	2,71 2,64	44 23	30,42 30,34	2.20
	006.0	.00	100	1.9	1.9	2,64	40	30,28	2,20
	010.0		100	•3	.3	2.70	49	30,26	2,20
	016.0		86	11.7	.0	2,76	22	30,21	2,20
	3017.0		68	10.6	.0	2.68	17 15	30.09 30.00	2.17
	3018.0 3019.0	.02	75 100	2.7	3.2	2.64	22	29.94	2.13
	020.0		100	1.9	1.0	2,66	1.0	29.91	2,13
1	3021.0	.00	100	1.7	1.1	2.70	43	29.90	2,13
	8023.0		100	6,4	1.1	2,72	37	29,86	2,13
- 1	3024.0	.00	100	4.5	3.5	2,66 2,69	22 15	29,79 29,75	2,13
	8025.0 8 <b>026.</b> 0		100	3.6 4.8	1.7		13	29,72	2.13
	8027.0		100	7.4	.0	2.71	11	29,66	2.13
9. SX	8028,0	.16	100	9,3	2.2	3.67	17 19	29,58 29,49	2,13
	8029.0	.16	100	9,3	3,6	2,64		67,47	
	8040,0		100	3,3	2.6	2.70	49	29,41	2,13 2,13
	8041.0		100	5.7 2.9	1.1	2.72 2.70	23 12	29,36	2,13
	8042.0 80 <b>43.</b> 0		100	6.9	4,3		13	29,29	2,13
	<del></del>						A. A		1 12/11/96/96

		and the first training	00008 <b>*</b>	nν	MATRIX	SHALE	CUMULATI	VF.
DEPI'H	PERM DU	WATER	POROSI		DENSITY	VOLUME	INTEGRAT	A Company of the Comp
and the even side	CIL-GAS	SAT.	TOTAL S		GW/CC DENSITI	**************************************	POR-FT	HC-FT
FEET	(INDEX)		8	*	OW/CC	•	•	
8044,0	.08	100	8,3	5.1	2,66	13	29.22	2.13
8045.0	.08	100	A	1,2	2,66	9	29,14	2.13
8046.0	.01	100	6.2	• 0	2.70	6	29.06	2.13
8047.0	.00	100	4,9	•1	2.70	<b>9</b> 6	29.00 28,95	2,13
8048.0	.00	100	5.0	.0	2.71	<b>6</b> Maio <b>6</b> Mary	28.90	2.13
8049.0	.00	100	4.1	• 0	2.70 2.72	11	28,86	2,13
8050.0 8051.0	.00	100	4.5	.0	2.71		28.81	2.13
8052.0	.00	100	4.9	.0	2,71	Õ	28.77	2,13
8053.0	.00	100	4.9	.0	2.72	0	28,72	2.13
8054.0	.01	100	5,9	.0	2.71	2	28.67	2,13
8055,0	.02	100	6.3	.0	2.70	6	28,61	2.13
8056.0	.00	100	5.1	.1	2.70	15	28,55	2.13
8057,0	•00	100	3,3	2.0	2,73	35	28,50	2,13
8060.0	.15	100	9.2	.0	2,76	38	28,47	2,13
8061.0	.33	100	10.4	1.8	2.70	12	28.37	2.13
8062.0	.17	100		5.0	2,66	15	28,27	2.13
8063,0	.01	100	6.0	5.5	2,64	32	28,18	2,13
6069 A		100	9.3	1.8	2,71	27	28,15	2.13
8067.0 8068.0	.16 .55	100 <b>71</b>		.0	2,75	Ó	28,05	2.12
8069,0	1,55	54	13,5	.0	2,74	Ŏ	27.93	2,08
8070.0		47	-	.7	2.69	0	27,79	2.01
8071.0	2.89	47		4.4	2,65	1	27.64	1,94
8072.0	,67	60		6.2	2,65	16	27.50	1,86
8073.0	.07	100	8,1	3.7	2,68	38	27,39	1.83
8076.0	.63	100	11.7	.0	2.72	22	27.30	1,83
8077.0		62	11,5	_ • 3	2,69		27.18	1.80
8078.0	.17	78		2,5	2.69	15	27.07	1.77
8079.0	.04	100	7.3	. 3	2.74	29	26,99 26,92	1.75
8080.0	.02	100	6.6	•0	2,82		40,74	
8082.0	.04	91	7.5	.0	2.73	49	26.85	1.75
8083.0		73	11.2	.0	2.76	22	26,76	1.74
8084.0	.17	100	9.4	.0	2.73	9	26,66	1.72
8085.0		100	7.0	1.0	2.70	11	26,57	1.72
8086.0		100		1.2	2.71	19 37	26,50 26,45	1.72
8087.0	.00	100	4.9	.0	2,75		*******	••••
8089.0		100	9.7	.0	2.79	35	26,36	1.72
8090.0		100	7.8	.9	2.71	22	26,26	1.72
8091.0		100	4.5 3.6	1.2	2.70 2.71	25 22	26,20 26,15	1.72
8092.0 8093.0		100 100	3.6	.3	2.74	12	26,12	1.72
8094.0		100	6.5	.0	2.75	*8	26.07	1.72
8095.0		100	8.3	.0	2.73	ar sun hay <b>O</b> ncount	26.00	1.72
						네는 사람들이 꾸몄다면 나가?		

DEPTH	PERMUTO	WATER	PUROSI		MATRIX	SHALE	CUMULATI\	
	DIL-GAS	SAT.	TOTAL	SEC.	DENSITY GM/CC	VOLUME	INTEGRAT:	
FEET	(INDEX)	•		•		***		
8096.0	.11	100	8.8	1.5	2,69	o o		.72
8097.0	.10	100	8.6	1.5	2,69	0		1.72
8098.0	.22	100	9.8	4.0	2,66	0	25.65	1.72
8099.0	.15	100	9.1 7.4	5.6 3.1	2.64	o de la companya de l		72
8100.0 8101.0	.04	100 100	7.4	2.7	2,68	ŏ		1.72
8102.0	.02	100	6.4	4.1	2.64	0	25,41	1.72
8103.0	.00	100	4.3	2.3	2,64	0		1.72
8104.0	.00	100	4.0	1.0	2,66	0		1.72
8105.0	.00	100	4.4	.0	2.71	3		1.72
8106.0	.00	100	4.2	.6	2,72	16	25,23	1,72
8107.0	.00	100	4.3	1.4	2.74	29 38		1.72
8108.0	.00	100	3.9	1.3	2.75 2.77	45	25,10	1,72
8109.0	•00	100	4.1	.2			## (##. 55% - 24%	
8116.0	.06	100	7.8	.9	2,80	48		1.72
8117.0	.01	100	5.9	1.1	2.75	32	24,98	1.72
8118.0		100	3.7	. 8	2.75	38 48		1.72
8119.0	•00	100	5.0	.4	2,79			
8123,0	.37	100	10.7	.0	2.83	28		1.72
8124.0		100	8.7	•0	2.78	12 12		1.72
8125.0	.06	100	7.9	.0	2.79 2.77	12		1.72
8126.0		100	6.2	1.2	2,77	25	24,48	1,72
8128.0		100	6.0	.0	2,61	45		1.72
04.20.0		100	7.7	.0	2,78	42	24,39	1.72
8132.0 8133.0		100	6.2	1.2	2,69	19	24,32	1,72
8134.0		100	4.8	2.4	2.70	19	24,26	1.72
8135.0		100	4.3	1.6	2.72	19	24,21	1.72
8136.0	.00	100	3.2	1.0	2,75	29	24,17	1.72
8137.0	.00	100	3,2	.4	2,75	42	24,14	1.72
8148.0	.06	100	7.8	.0	2.86	47	24,11	1.72
8149,0		100	5,4	.0	2,77	•	24,04	1.72
8160.0	.12	100	8,8	.0	2,87	41	23,99	1.72
8161.0	1.12	100	12.8	.0	2.80	10	23,89	1.72
8162.0		100	10.3	.0	2.76			1.72
8163.0		100	8.7	.0	2.76	10	23,67 23,58	1.72
8164.0 8165.0		100	7.2 4.4	.0	2.76 2.73	15 28	23,52	1.72
0,000,0		a sajaka Se	A Service	of the Street				
8178.0		100	2.7	.3	2.75	44	23,47	1,72
8179.0		100	2.4	• ?	3.72	36	23.44	1.72
8180.0		100	.8	.4	2,69 2,73	40	23,42 23,41	1.72
6161.0	.00	100	1.0	• 0	4.13			••!•

DEPATH PER	M.TO L-Gas	WATER SAT,	POROS TOTAL	SEC.	MATRIX DENSITY	SHALE VOLUME	CUMULA INTEGR	ATIONS
FEET (I	NDEX)		***	*	GM/CC		POR-FT	HC=FT
8182.0	.00	100	1.9	• 0	2,75	41	23,40	1,72
8194.0	.02	100	6.7	.0	2,79	41	23,36	1.72
8195.0	.03	100	7.0	.0	2,73	18	23,31	1.72
8196.0	.02	100	6.8	.0	2.71 2.71	9	23,24	1.72
8197.0 8198.0	.02	60 100	6.7 5.1	.6	2.70	12	23,11	1.70
8199.0	.00	100	3.8	2.0	2,69	25	23,07	1.70
8200.0	.00	100	2.2	2.2	2,68	41	23,03	1.70
8212.0	.10	100	8.6	.0	2,83	42	23.02	1.70
8213.0	.21	100	9.7	1.3	2.74 2.71	16 12	22.93	1.70
8214,0 8215.0	.44	99 100	11.0	2.8 2.5	2,71	32	22,73	1.70
8224.0	.00	100	4.9	.0	2.80	48	22,68	1.70
8225.0	.00	100	4.9	.0	2.75	19	22,63	1.70
8226.0	.00	100	4,2	•0	2,73	12	22,59	1.70
8227.0	.00	100	3,9 4,5	.0	2.70 2.67	19 29	22,55 22,51	1.70
<b>8228.0</b> 8229.0	.00	100	2.3	.0	2,68	45	22,47	1.70
8245.0	.38	100	10.7	.0	2,78	28	22,41	1.70
8246.0	.33	100	10.5	.0	2,73	9	22,30	1.70
8247.0	.09	100	8.5	.0	2,71 2,71	9	22,20 22,12	1.70
<b>8248.0</b> 8 <b>249.</b> 0	.01	100	6.0 1.5	1.0	2.70	36	22,07	1.70
8250.0	.00	100	. 3	.0	2,70	47	22,06	1.70
8260.0	.00	100	3.5	.0	2,76	37	22,04	1.79
8261.0	.00	100	3.2	.0	2.74	31	22,01	1.70
<b>8262.</b> 0 8 <b>263.</b> 0	.00	100	2.3	.0	2.71 2.69	22 24	21,97	1.70
8264.0	.00	100	1,3	1.0	2,67	33	21,94	1.70
8265.0	.00	100	. 9	.0	2.70	39	21.93	1.70
8366.0	.00	100	1.2	•0	2,78	46	21,92	1.70
8288.0	.00	100	4.2	1.9	2,68	49	21.92	1.70
8289.0 8290.0	.00	100	4.8	4.4	2.64 2.64	34 24	21.87 21.82	1.70
8291.0	.00	100	1.9	.0	2,66	16	21,79	1.70
8292.0	.00	100	.7	.0	2,69	22	21.77	1.70
8293.0	.00	100	.0	.0	2,73	44	21.77	1.70
8342.0	.00	100	.0	.0	2,64	41	21.77	1.70
8343.0	.00	100	•0	.0	2,65	35	21,77	1,70
8351,0	.00	100	.0	.0	2,70	48	21.77	1,70
and the second section and the second	5.6							

n sutthe	DED. VA	WATER	POROS	TTY	MATRIX	SHALE	CUMULA	TIVE	
PEFIR	PERM. TO	SAT.		SEC.	DENSITY	VOLUME	INTEGR	ATIONS	
FEET	(INDEX)		- 8	8	GM/CC	8	POR-FT	HC-FT	
			***						
8352.0	.00	100	•0	• 0	2.71	38	21,77	1,70	
8353.0	.00	100	.0	.0	2,70	45	21.77	1,70	
~~~~						e de la companya de l			
8361.0	.01	100	5,3	.0	2,80	48	21.77	1.70	
8362.0	.00	100	4.4	.0	2,77	30	21,72	1.70	
8363.0	.00	100	4.7	.0	2,73	9	21.66	1.70	
8364.0	.00	100	5.0	.0	2.73	3	21,63	1.70	
8365.0	.01	100	5.8	. 0	2.73		21,58	1,70	
8366.0	.02	100	6.3	.0	2,73 2,72	9	21.52 21.45	1.70	
8367.0	.01	100	5.7	.0	2 70	16	21.40	1.70	
8368.0	.00	100	4.7	.0	2.70 2.68	. 9	21,35	1,70	
8369,0	.00	100	4.2 5.2	.0	2,66	3	21,31	1.70	
8370.0	.00	100	4 A	.0	2.67	9	21,25	1,70	
8372.0	.00	100	4.8	.0	2.73	22	21.21	1.70	
8373.0	.01	100	5.3	, ŏ	2,78	31	21,16	1.70	
8374.0	.02	100	6.6	.0	2.76	26	21,11	1,69	
8375.0	.01	100	5.4	.0	2.75	29	21,04	1.69	
8376.0	.00	100	4.5	.0	2,78	42	20.99	1,69	
8379.0	.02	100	6,5	.0	2,82	49	20,95	1,69	
8380.0		100	8,2	.0	2.83	36	20,88	1,69	
8381.0	.29	100	10.2	.0	2,76	13	20,79	1.69	
8382.0		100	6.4	.0	2.71	0	20.70	1.69	
8383.0	.01	100	5.7	.0	2.73	Ö	20,64	1.69	
8384.0	.02	84	6,3	.0	2.73	0	20.58	1,69	
8385.0	.03	81	6.9	.0	2.72	0	20,51	1,68	
8386,0	.04	73	7.3	.0	2.74	8	20.44	1,65	
8387.0		70	7.4	.0	2.73 2.71		20.29	1,62	
8388.0		65 92	7.7	.0	2,64	ð	20,22	1,60	
8389.0					2.64		20,14	1.60	
8390.0 8391.0	.08	100	8.2 6.4	.0	2.64	37	20.07	1,60	
8393.0	.04	100	7.4	.0	2,64	**************************************	19,96	1.60	
8394.0		100	7.8	.0	2,64	40	19,89	1.60	
8395.0	.19	100	9.5	.0	2.73	26	19,91	1.60	
8396.0		91	11.3	.0	2.67		19.71	1.60	
8397.0	.06	100	7.9	.0	2,68		19,60	1.59	
8398.0		100	5.2	.0	2,69	10	19,53	1,59	
8399.0		100	4.6	.0	2.69	19	19,48	1,59	
8400.0	.01	100	5.7	.0	2.72	19	19.43	1,59	
8401.0	.01	100	5.5	.0	2.73	13	19.38	1,59	
8402.0	.00	100	3.1	.0	2.70	13	19,33	1.59	
8403.0	.00	100	2.0	.0	2.66	10	19.30	1,59	
8404.0		100	4.5	.0	2.13	39	19.26	1,59	
8405.0		100	5.4	.0	2.74	33	19,23 19,17	1,59	
8406.0	.01	100	6.0	.0	2.75	26	12911	1,59	

DEPTH	PERM.TQ	WATER	POROSI	TY	MATRIX	SHALE	CUMULAI	GOLDEN STATE OF THE PARTY OF TH
	OIL-GAS	SAT.	TOTAL	SEC.	DENSITY	VOLUME	INTEGRA	
FEET	(INDEX)	8	***	8	GM/CC		POR-FT	HC-FT
8407.0	.00	100	3.7	.0	2,71	19	19,12	1.59
8408.0	.00	100	2.6	.0	2.70	10	19,08	1,59
8409.0	.00	100	.7	.0	2,67	25	19.06	1.59
8410.0	.01	100	5.3	.0	2,64	41	19.04	1,59
n interes deserbentes au 🚣 en en		\$200	_					4 . 50
8418.0	.00	100	1.7	.0	2.65	42	18,97	1,59
8419.0	.00	100	2,6	.0	2.65	4	18.95	1.59
8420.0	.00	100	2.0	.0	2,66	13 16	18,93	1,59
8421.0	•00	100	1.6	.0	2.67 2.67	38	18.90	1,59
8422,0	,00	100	1.0	.0	***		*****	• • • • • • • • • • • • • • • • • • • •
8444.0	.01	100	6.2	.0	2,76	26	18,86	1,59
8445.0	,01	100	5,9	.0	2.75	Ö	18,80	1.59
8446,0	.07	100	8.0	.0	2,74	0	18,74	1,59
8447.0	.28	65	10.2	1.1	2,68	0	18,65	1.58
8448,0	.00	100	4.1	.0	2,66	3	18,55	1,55
8449.0	.00	100	• 0	.0	2,67	26	10,53	1,55
8473.0	.00	100	.7	.0	2,68	22	18,53	1,55
8474.0	.00	100		.0	2.67	12	18,52	1,55
8475.0	.00	100	.0	.0	2,66	16	18,52	1,55
8476,0	.00	100	.0	.0	2,67	34	18,52	1,55
8481.0		100	1.5	.0	2.65	45	18.52	1.55
8482.0	.00	100	1.6	, ŏ	2,66	37	18,50	1,55
8483.0	.00	100	. 8	.0	2,68	<b>\$7</b>	18.49	1,55
		* **	** ** ** ** ** ** ** ** ** ** ** ** **		A. 45	44	4.0	1.55
8508.0	.00	100	1.4	1.0	2.65	46 24	18,49	1,55
8509.0	.00	100	2.5 4.5	.0	2,64 2,64	15	18.44	1.55
8510.0 8511.0	.00	100	6.3	.1	2.64	5	18.39	1,55
8512.0	.02	100	6.7	.;	2,64	Ŏ	18.32	1,55
8513.0	.00	100	4,1	1.2	2,64	23	18,26	1,55
0510 /	.00	100	2,1	2,1	2,65	45	18,23	1,55
8518.0 8519.0	.00	100	3.7	1.1	2,64	18	18.21	1.55
8520.0	.00	100	3,3	.0	2,64	20	18,17	1,55
8528.0	.00	100	3.4	.0	2,64	42	18,13	1.55
							****	
8535.0	.11	100	8.7	1.4	2.72	32	18,10	1,55
8536.0	• 1.4	100	9.1 5.6	.8	2.73 2.72	3	17,92	1,65
8537.0 8538.0	.01	100	3.0	.7	2,69	29	17.87	1.55
8539.0	.00	100	.3	.0	2.71	45	17.85	1,55
								1,55
8549.0	.00	100	2.8	.0	2,64 2,65	49 42	17.85 17.82	1.55
8550.0	.00	100	3,9	.0	6400		+1.444	• • • •

DEPAH	PERM	WATER	POROS	ITY	MATRIX	SHALE	CUMULA!	
	OIL-GAS	SAT.	TOTAL	SEC.	DENSITY	VOLUME	INTEGR	
FEET		*	***	8	GM/CC		POR=FT	HC=FT
0551 0	.04	89	7.5	.0	2.67	6	17,77	1,55
8551.0 8552.0		81	6.5	.o	2,66		17.70	1.54
8553.0		87	5,3	.0	2,66	3	17.63	1,53
8554.0		73	4,3	.0	2,67	5	17.58	1.52
8555.0		100	4.0	.0	2,64	4	17,54	1,51
8556.0		100	1.7	• 0	2,67	11 27	17.51	1.51
8557.0	.00	100	. 4	.0	2,68			- 1
8565,0		100	7.0	.0	2,77	46	17,49	1,51
8566.0		100	9.4	• 0	2.72	19	17.41	1,51
8567.0		100	6.8	.0	2.70 2.71		17.26	1,51
8568,0		100	6.7 5.9	.0	2.69	10	17,19	1,51
8569.0 8570.0		100	4.3	.0	2.64	19	17.14	1,51
8571.0		100	3.8	. 0	2,64	28	17.10	1.51
8572.0		100	1.4	.0	2.66	43	17.07	1,51
8573.0		100	3.8	.0	2.64	38	17.05	1,51
8574.0		100	3.7	.0	2,64	43	17.01	1.51
8575.0		100	2.6	• 0	2.64	45	16.98	1,51
8576,0		100	3.8	.0	2.64	41	16,95	1,51
8577.0	.00	100	3,3	•0	2,64	46	16,91	1,00
8584.0	.01	100	6.1	.0	2.72	20	16.86	1.51
8585,0		100	3.9	.0	2.71	4	16.80	1.51
8586.		100	4.0	.0	2,69	3	16,77	1,51
8587,0	And the second of the second o	100	3.2	.0	2,67	9	16,73	1,51
8588.0		100	2.6	.0	2,66 2,68		16,67	1.51
8589.0		100	3.0	.0	2,67	19	16,64	1,51
8590,0 8591,0		100	.4	.0	2,67	35	16,63	1,51
00719		* 8 35 A *						
8618.	.03	100	6.8	.0	2,75	39	16,60	1,51
8619.	.05	100	7.6	.0	2.74 2.71		16.53 16.45	1,51
8620.		89	9.1 7.9	1.3	2.66	9	16,36	1,50
8621.0 8622.0	0 .06	100 100	3.5	3.1	2.64	27	16,29	1,50
8623.		100	1.1	.4	2.67	36	16,26	1,50
8624.		100	.3	.0	2,70	48	16,26	1,50
8661,	.00	100	1.0	.7	2,67	• • • • • • • • • • • • • • • • • • •	16,25	1.50
8683.	0 .02	100	6,5	.0	2.69		16,21	1,50
8684.		100	7.2	.7	2,67		16,15	1.50
8685.	0 .02	100	6,5	1.3	2,66		16.07	1.50
8686.	0 .01	100	5.9	.0	2.71	Ŏ	16.01	1.50
8687.	0 .00	100	5,2	• 0	2.72	<b>3</b>	15,96	1.50
8688.		100	4.9	.0	2.71		15,90	1.50
8689.	0 .00	100	4.1	.3	2,69	9	15,86	1,50

DEPTH.	PERM.TD	WATER SAT.	POROSI TOTAL		MATRIX DENSITY	SHALE VOLUME	CUMULA!	ATIONS	
FEET	(INDEX)	. **** <b>*</b> **	* *	8	GM/CC		POR-FT	HC=FT	
8690.0	.00	100	2.1	.3	2,68	23	15,82	1.50	
8691.0	.00	100	1,3	.0	2,67	22	15,80	1.50	
8692.0	.00	100	.8	.0	2,67	37	15,79	1,50	
8717.0	.06	100	7.9	.0	2,70	39	15,78	1,50	
8718.0	.00	100	5.2	, 3	2,68	19	15.70	1,50	
8719.0	.04	100	7.3	1.2	2.68	3	15,65 15,58	1,50	
8720.0 8721.0	.06	85 49	8.0 11.8	1.5	2.66 2.68	Ö	15,50	1,48	
8722.0	.06	79	8.0	.0	2,71	0.0	15,39	1,44	
8723.0	.02	100	6.3	.0	2.68	4	15,32	1,43	
8724.0	.00	100	4.9	.0	2,64		15.26 15.21	1,43	
8725.0 8726.0	.00	100 100	3.8 6.0	.0	2.64	33	15.17	1.43	
						***		* * *******	
8769.0	.00	100	1.1	.0	2.67	47	15,10 15,09	1.43	
8770.0	.00	100	.9 1.3	1.3	2.68 2.66	40	15.08	1,43	
8771.0	.00	***	• • •	***					
8774.0	.00	100	3,4	.0	2,64	45	15.06	1.43	
8775.0	.00	100	2.3	.0	2,64 2,64	28 15	15,03	1,43	
8776.0 8777.0	.00	100	3.1	.0	2,64	12	14,97	1,43	
8778.0	-	100	4.3	. 0	2,64	10	14,93	1.43	
8779.0	.00	100	4,2	.0	2.64	26	14,89	1,43	
8780.0	•00	100	3,6	.0	2,64	44	14,85	1,43	
8843.0	.00	100	4.0	.0	2,74	48	14,83	1.43	
8844.0	.00	100	2.9	.0	2.78	48	14,79	1,43	
8845.0		100	1.3	.0	2.73	49	14,75	1,43	
8846.0		100							
8853.0	.01	100	5.3	.1	2.77	38	14.72	1,43	
8854.0		100	3.9	.0	2.77	35 35	14,67	1,43	
8855.0		100 100	4.0 5.1	.0	2.80	37	14,89	1,43	
8857.0	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	98	6.9	.0	2,82	39	14,53	1,43	
8858.0	.00	100	4.0	.0	2.75	42	14,46	1.42	
8859.0	e kan dia kan Kanada kan dia	100	1,3	1.2	2,66	43	14,44	1,42	
8865.0	.06	100	7.9	.0	2,84	39	14,42	1,42	
8866.0	.01	100	5,9	.0	2.79	26	14,34	1.42	
8867.0		100	5.3	.0	2,82	36	14,29	1.42	
8968.0	.02	100	6,6	.0	2,95	37	14,23	1.42	
8878.0	02	100	6,6	.0	2,81	49	14,17	1,42	
8879.0	.02	100	6.4	.0	2,77	36	14.10	1.42	
8880.0	.02	100	6,8	.9	2,76	39	14,04	1,42	

	PERM.TO	WATER SAT.	POROS.	SEC.	MATRIX DENSITY	SHALE VOLUME	CUMULA: INTEGRI POR-FT		
reer	(INDEX)			*	GM/CC				
8881.0	.01	100	5,5	.0	2,74	46	13,97	1,42	
8682,0	.00	100	4,5	.0	2,75	49	13,92	1,42	
8923.0	.00	100	4,9	.0	2,79	43	13,87	1.42	
8924.0	.00	100	3.7	.0	2.74	30 24	13.82 13.80	1,42	
8925.0	.00	100	1.5	.0	2.72	29	13,78	1,42	
8926.0 8927.0	.00	100	1.7	.0	2.76	39	13,77	1,42	
8928.0	.00	100	2.8	.0	2.76	42	13.75	1,42	
8929.0	.00	100	3.7	.0	2.75	42	13.72	1.42	
8930.0	•00	100	3.6	.0	2,75	42	13,68	1,42	
8940.0	.04	100	7.5	.0	2.79	42	13,61	1,42	
8941.0	• 27	100	0.1	•0	2,77	37 17	13,54	1.42	
8942,0	.37	75 <b>57</b>	10.7	.0	2.78 2.72	10	13,45	1,30	
8943.0 8944.0	.65	100	8.3	1.8	2,69	ō	13.23	1,34	
8945.0	.02	100	6.3	2.1	2,69	11	13,15	1,34	
8946.0	.00	100	4.0	.7	2.70	36	13.09	1,34	
8947.0	.00	94	4.0	.0	2.76	46	13.06	1,34	
8948.0	.00	100	4.3	• 0	2,73	39	13.01	1,34	
8954.0	,19	100	9.5	.0	2,65	26	12,97	1,34	
8959.0	.01	100	5.3	.0	2.70	45	12,93	1,34	
8960.0	.04	100	7.5	.0	2.70	33	12.87	1.34	
8961.0	.06	100	7.9	.5	2.69 2.67	0	12.79 12.72	1.34	
8962.0 8963.0	.02 .03	100 75	6.7 7.1	2.2	2,67	ŏ	12,65	1,34	
8964.0	.05	72	7.7	. 0	2,72	6	12,50	1,32	
8965.0	.06	70	7.9	.0	2.73	17	12,50	1,30	
8966,0	.01	100	6.1	•0	2.72	23	12.42	1.26	
8967.0	.00	100	4.7	.7	2.72	33 43	12.37 12.32	1,28	
8968.0 8969.0	.00	100	4.3 3.2	.0	2.74 2.73	49	12,28	1,28	
0,009,0		100	7 <b>. 4</b>	• V			****		
8977.0	.00	100	4.1	.0	2,67	46	12,25	1,28	
8978.0	.00	100	2.1	.4	2,65	49	12,21	1,30	
8987.0	,16	100	9.3	.0	2,79	24	12,16	1,28	
8988.0	.04	100	7.3	.0	2,73	9	12.07	1,28	
8989.0		100	6.6	•0	2.71		12.01	1.20	
8990.0		94	7.0	.0	2.69 2.69	ing a samu a Samu a samu	11.94	1,28	
8991.0 8992.0		<b>86</b> 100	6.2	.0	2.70	16	11,80	1,27	
8993.0		100	3.2	.0	2,68	46	11.74	1.27	
8999.0	.01	100	6.1	.0	2,72	37	11,69	1,27	
		7.5	- 7 ₹ ₹					· · · · · · · · · · · · · · · · · · ·	

	DEPTH	PERM.TO	WATER	POROS:	ITY	MATRIX	SHALE	CUMULA!	
		OIL-GAS	SAT.	TOTAL	SEC.	DENSITY	VOLUME	INTEGR	
	FEET	(INDEX)	*	*	*	GM/CC	8	POR-FT	HC=FT
	9000.0	.00	100	4.0	.0	2.70	32	11,64	1.27
	9001.0	.00	100	4,4	.0	2,69	35	11,60	1,27
	9002.0	.00	100	3.9	. 2	2.70	35	11.56	1.27
	9008.0	.01	100	5.7	.0	2.79	32	11,50	1,27
	9009.0	.00	100	5.2	.0	2,72	14	11.44	1.27
	9010.0	.00	100	4.4	.0	2.70	14	11,39	1,27
	9011.0	.00	100	4.2	.0	2.71	19	11,35	1,27
	9012.0	.00	100	4.1	.0	2,68	26	11,31	1,27
	9013.0	.00	100	4.1	.0	2,69	26	11,26	1.27
	9014.0	.00	100	4.7	.0	2.70	22	11.22	1.27
	9015.0	.01	100	5.6	.0	2.71	16	11,17	1.27
	9016.0	.01	100	5,5	.0	2.73	19	11.11	1.27
	9017.0	.00	100	4.9	.0	2,72	22	11.06	1.27
	9018.0	.00	100	5.0	.0	2.70	22	11.01	1,27
Day bay	9019.0	.00	100	3.7	.0	2.70	22	10,96	1,27
	9020.0	.00	100	3,5	.0	2.70	24	10.93	1.27
	9021.0	.00	100	2.9	.0	2,68	30	10,89	1.27
	9022.0	.00	100	1.7	.0	2,67	39	10.87	1.27
	9023.0		100	1.0	.0	2,67	40	10.85	1,27
	9024.0	.00	100	1.2	.0	2,67	36	10.84	1.27
	9025.0	.00	100	1.7	.0	2,66	30	10,83	1.27
	9026.0	.00	100	1.8	.0	2,66	21	10,81	1.27
	9027.0	.00	100	1.9	.0	2,66	21	10,79	1,27
	9028.0	.00	100	1.7	.0	2.67	18	10.77	1.27
	9029.0		100	1.4	.0	2.67	22	10.76	1.27
	9030.0	.00	100	1.0	.0	2,67	35	10,74	1.27
	9031.0		100	.7	. 3	2,68	47	10.73	1.27
	9032.0	.00	100	.1	. 1	2.70	49	10.73	1.27
	9033.0		100	2.1	.9	2,68	38	10.73	1.27
	9034.0	.00	100	2.1	.6	2,65	22	10,72	1.27
	9035.0	.00	100	2.5	.0	2,65	18	10,69	1.27
	9036.0	.00	100	2.5	.0	2.64	19	10.67	1.27
	9037.0	.00	100	2,9	.0	2,64	10	10,64	1.27
	9038.0	.00	100	3.9	. 4	2,64	19	10.61	1.27
	9039.0	.00	100	3.9	3.0	2,64	37	10,57	1.27
	9040.0	.00	100	3,5	3,5	2,64	47	10,53	1.27
	9042.0	.00	100	.6	.6	2,69	48	10,50	1,27
	9043.0		100	.0	.0	2.76	44	10.50	1.27
	9044.0		100	Ţ.	.0	2,71	34	10.50	1.27
	9045.0		100	1.3	.0	2.67	23	10.49	1,27
	9046.0		100	1.6	.1	2,66	26	10.48	1,27
	9047.0		100	1.6	1.5	2,66	32	10.46	1.27
	9048.0		100	1.1	1.1	2,66	49	10.45	1,27
	9055.0	.00	100	3,6	2.3	2,64	48	10.44	1,27
	9056.0		100	1.1	.0	2,64	44	10.42	1.27
				***	• *				

	OIL-GAS	WATER SAT.	POROS:	SEC.	MATRIX DENSITY	SHALE VOLUME	CUMULAT INTEGRA		
	(INDEX)	*	***		GM/CC		POR-FT		
9095,0	.03	100	7.1	2.9	2.73	35 25	10.38	1.27	
9096,0	.01	100	5.8	4.4	2.68 2.67	32	10.26	1.27	
9097.0	.00	100 100	2.1 3.2	.0	2,72	33	10.24	1.27	
9099.0	.00	100	4.7	A.1.	2,74	32	10,20	1.27	
9100.0	.00	100	4.5	. 9	2.74	35	10.15	1.27	
9101.0	.00	100	3,5	1.5	2.71	42	10,11	1.27	
9102.0	.00	100	2.9	1.1	2,71	43	10.07	1,27	
9111.0	.09	100	8,5	.0	2,64	40	10,00	1,27	
9143.0	.02	100	6.8	.0	2,64	42	9.92	1.27	
9144.0	.05	69	7.6	.0	2.64	36	9,85	1.26	
9145.0	.00	100	4.0	.0	2,64	41 38	9.78 9.74	1,24	
9146.0 9147.0	.00	100	4.1 3.9	.0	2.64	44	9.70	1,24	
9158.0	.00	100	3.7	.0	2,64	49	9,68	1.24	
						62	9,63	1,24	
9200.0	.02	100	6,5 5,8	.2	2.77 2.74	32	9,56	1.24	
9201.0	.01	100	5.5	.0	2.75	28	9,51	1,24	
9203.0	.07	87	8.1	.0	2.76	18	9,45	1,24	
9204.0	.09	82	8.5	1.8	2.72	21	9.36	1.23	
9205.0	.03	99	7.0	1.8	2,69	28	9.28	1.22	
9206.0	.02	100	6.8	•7	2.70	28	9.21 9.14	1,22	
9207.0	.06	100	7.9	.0	2.72 2.73	21 15	9.06	1,21	
9208.0 9209.0	.26 .26	80 81	10.1	.1	2.77	21	8,95	1,19	
9210.0	.33	75	10.5	.0	2.75	21	8,85	1.17	
9211.0	.52	68	11.3	_0	2.71	14	8,75	1,14	
9212.0	.73	57	12.0	.0	2,72	11	8,63	1.11	
9213.0	2,23	39	13.3	. 2	2.74		0.51	1.05	
9214.0	1,16	38	11.9	2.1	2.70	14	8,38 8,27	.97	
9215.0	.27	46	10.0	4.6	2.64	26 35	8.17	.86	
9216.0	.06	62 100	7.8 4.9	2.4	2.64 2.65	48	8.10	,84	
9217.0	•••	***	**						
9224.0	.00	100	5.1	• 2	2.67	\$2 37	8,05	.84	
9225.0 9226.0	.00	100	1.9	.0	2,65 2,66	30	7.99	.84	
9227.0	.00	100	2.4	.0	2.64	28	7.97	.84	
9228.0	.00	100	4,3	.0	2,67	16	7.93	.84	
9229.0	.00	100	2,5	.0	2,64	25	7.90	. 84	
9230,0	.00	100	1.6	.0	2,65	39	7.87	.04	
9232.0	.00	100	3.0	.0	2,77	46	7.85	.84	

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DEPTH	PERM, TO	WATER	PURUSITY	MATRIX	SHALE	CUMULATIVE	
स्रवा विभाग । अभिनेता	OIL-GAS	SAT.	TOTAL SEC		ACTOWE	INTEGRATIONS	
FEET	(INDEX)	***************************************		GM/CC	*	POR-FT HC-I	
8555 6		4.00	4.8 .0	2.75	30	7.81 .8	
9233.0	.00	100 100	4,8 .0		35	7.77 .8	🚱 kita ya Kalangara Kita
9234.0	.00				46	7.75 .8	
9235.0	.00	100	.8 .8 2.2 .2	2,71	39	7,74 .8	
9236.0	.00	100	6 9 0	2.74	7	7.71 .8	4
9237.0	.02	80 78	6.7 .0		0	7,64 .0	
9238,0	.03	65	7.3 .3	2.70	Õ	7,57 .8	Ŏ
9239.0	.04	90	5,3 1,9	2.69	14	7.50 .7	8
9240.0 9241.0	.01	100	4,6 2,3	2.69	24	7,45 .7	7
9242.0	.02	77	6,6 1,5	2,72	17	7.40 .7	7
9243.0		77	6.6 1.4	2.71	17	7,33	6
9244.0	.02	79	6,6 1,3	2.70	17	7.26 .7	5
9245.0		96	5.4 2.7	2.69	24	7.20 .7	4
9246.0		100	4.7 2.0		24	7.15 .7	
9247.0	.01	100	5,2 ,9	2.70	21	7.10 .7	•
9248.0	.00	100	4.8 .9	2.70	21	7.05 .7	•
9249.0	.00	100	4,2 ,2	2,71	19	7,00 .7	4
9250.0	.00	100	3.9 .0	2.73	25	6.95 .7	
9251.0		100	3,1 ,2	2.73	35	6,92 .7	
9252.0	.00	100	2.6		46	6,89 .1	
9256.0	.00	100	2.8 .7	2,74	49	6,87 .7	
9257.0	.00	100	1.8 .6	2,73	49	6,84 ,7	
9259,0	.00	100	1.0 1.0	2,69	49	6,83 ,7	
9264.0	.00	100	1,5 .0		41	6,82 .7	
0227 0	.00	100	1.8 1.6	2,64	45	6,80 ,7	
9277.0	_	100	2.7 2.1		42	6,78 .7	
9278.0				and the second s			PROPERTY OF THE PROPERTY OF TH
9282.0	.00	100	1.6	2,65	21	6.75	
9283.0	.00	100		2,65	39	- No Alband State Comments in	- <b>G</b> Signal and Same and Same
9297.0		100	1.7	2.65	34	6.70 .7	
9298.0	,00	100	1.4 1.4	2,65	46	6.67	
9299.0		100	1.1 1.	2,66	47	o salah dia mataban barat da 1	
9318,0	.00	100	4.8	2,76	40	6.63 .7 6.59 .7 6.56 .7 6.51 .7	
9319,0	.00	100	2.9	2.75 2.77	12	6,59 .7	
9320.0	.00	100	4.3	2.77	45	6,56 .7	1 <b>∰</b> Males a comment
9321.0	.00	100	4.9	2.75	40	6,51 ,1	
9322,0	.01	100	5.5		29	6,46	r <b>ii</b> Mala enem on monatori
9323,0	.00	100	4.8	2.68	29	6,36	
9324.0	,00	100	4.7		29	6,36 ,7	. ♥ NoAssa transper
9325.0		100	5.9		27	6,32	
9326.0	.00	100	3,7	2,64	44	6,26 ,7	
9341.0	,05	100	7.6	2,65	49	6,24 ,7	Marine Commission (Commission Commission Commission Commission Commission Commission Commission Commission Com Response Commission Commission Commission Commission Commission Commission Commission Commission Commission Co

	DEATH	PERM TO	WATER SAT.	POROSI TOTAL		MATRIX DENSITY	SHALE VOLUME	CUMULAT INTEGRA	ATIONS
	FEET	(INDEX)	*	8	8	GM/CC		POR-FT	HC-FT
	9350.0 9351.0	.10 .21	100	8.6 9.7	.0	2.78	36 13	6,20 6,11	.74
	9352.0	.12	86	8,9	.0	2.74	2	6,02 5,93	• 73 • 72
	9353.0 9354.0	.11	65 49	8.7 9.4	.0	2.74	4	5,84	,68
	9355,0	.54	43	10.8	.0	2,72	4	5.74 5.63	.63 .57
	9356.0 9357.0	.18	45 53	9.4	.0	2.72 2.74	*	5,53	.51
	9358.0	.25	51	10.0	.0	2.76		5,43	.47
11.41.	9359.0	.94	40	11.7	.0	2.75	0	5.33 5.21	,42 ,35
	9360.0	.42	<b>45</b> 68	10.6	2.1	2.71	21	5,12	,30
	9361.0 9362.0	.04	100	3.4	2.9	2,64	41	5,05	.29
	9363.0	.00	99	2.0	2.0	2,65	49	5,03	.29
	9368.0	.00	91	2.6	2.3	2,66	46	5.02	.29
ilin a	9369,0	.00	92	2,2	2.2	2,65	40	4,99	.29
	9409.0	.00	100	4.0	.0	2,65	38	4.98	.29
	9410.0	.04	100	7.3 6.4	.0	2,65 2,64	33	4,85	.29
	9411.0	.00	100	1.5	.0	2,65	46	4,80	,29
	9429.0	.00	100	3,5	.0	2,64	36	4,78	.29
, 18 B	9430.0	.00	100	3.0	• 0	2.64	35 49	4.74	.29
	9431.0	.00	100	1,6	•0	2,64	ng diang sa sa Managang diang		
9.7	9445.0	.00	100	3,3	.0	2.72	48 45	4,71	,29 ,29
W.	9446.0	.00	100	2.0 1.0	.0	2.74	48	4,66	.29
2.85	9448.0	.00	100	2.0	.0	2.72	44	4.65	,29
. 1993	9449.0	.00	100	• 5	.0	2,69	43	4,63	.29 .29
	9450.0		100	• 1	.0	2.68 2.66	41 42	4.63	,29
et sa	9451.0 9452.0	.00	100	1.3	.0	2.66	48 (1)	4,61	.29
Sec. 1				28 Jan 1981	스 레르			4,60	.29
	9469,0	•00	100	4.8	•0	2,64			And the state of t
	9476.0		100	3.8	1.4	2.64 2.65	41 34	4.50	.29
	9478.0		100	2.2	.0	2,64	46	4,48	,29
	9486.0	.00	100	4.5	.0	2,64	42	4,44	.29
	9487.0	.00	100	1.7	.0	2,64	44	4,40	.29 .29
10. 68 18 <sub>0</sub> V	9488.0	.01	100	7.3	.0	2.64	23 20	4,32	.29
-837 - 3	9489.0		100 100	2.8	.0	2.64	45	4,25	,29
1			7.5	7.7			\$48 - 100 H		

			an San						
. 48	nromu	PERM. TO	WATER	PUROS	TTY	MATRIX	SHALE	COMOLA	IVE
	UEFIN	OIL-GAS	SAT.	TOTAL		DENSITY	VOLUME	INTEGRA	TIONS
	FEET	(INDEX)	8	8	*	GM/CC	8	POR-FT	HC-FT
	LPPT	( AND DAY)	3. <b>35</b>						
	9499.0	.00	100	1.0	.0	2,67	49	4,24	,29
	9514.0	.00	100	2.1	.0	2,64	45	4,23	.29
	9515.0	.00	100	2,2	.0	2.64	30	4,21	.29
	9516.0	.00	100	1.3	•0	2,66	36	4,19	.29
	9524.0	_05	100	7.6	2.6	2.64	27	4,14	.29
	9525.0	.00	100	,6	• 0	2,69	44	4.08	.29
	9530.0	.00	100	1.3	.7	2,67	35	4.07	.29
	9531.0		100	.5	. 5	2,69	46	4,06	,29
r Taleal	9536.0	.00	100	1,3	.0	2,66	46	4.04	,29
	9537.0	.00	100	1.1	.0	2,67	42	4,03	,29
	9749.0	.01	100	5.5	.0	2.76	44	4.02	.29
	9750.0		100	4.6	.0	2,64	21	3,97	.29 .29
	9751.0		100	5.2	. 8	2.64	22	3.92 3.07	,29
	9752.0		100	4,6	1.5	2.64	39 48	3,82	,29
	9753.0		100	5.2	1.9	2.68 2.73	44	3,77	,29
	9754.0		100	5.4 6.8	.0	2.71	28	3.71	,29
	9755.0		100	7.7	.5	2,67	23	3,64	.29
	9756.0 9757.0		100	6.4	.8	2,65	28	3,57	.29
	9758.0		100	5.5	.0	2.64	28	3,51	.29
	9759.0		100	5.9	.0	2,64	16	3,45	,29
	9760.0		92	7.6	.0	2,64	6	3.39	.29
	9761.0		49	9.2	.5	2,64	1	3.30	.27
	9762.0		54	7.5	.1	2,66	10	3.22	.22
	9763.0		63	7.2	.0	2,69	10	3.14	.19
P. Santa	9764.0	.07	64	8.0	1.9	2,67	14	3.07	.17
	9765.0		54	8,2	1.3	2.68	17	2,99	.13
276	9766.0	.03	74	7.0	1.4	2.67	29	2.91	.10
*******	9767.0		100	5.7	.6	2.66	33	2.84	.08
	9768.0	.00	100	4.9	.0	2,68	35	2.79	.08
	9769.0	.03	78	7.0	.0	2.68	29 28	2.73 2.66	.06
	9770.0		80	7.2	1.4	2,67	28	2,59	.05
	9771.0		70	7.2	2.1	2.69	29	2,51	.03
	9772.0		70	7.1	2.2	2.69 2.67	42	2.45	.01
	9773.0		100	4.4 3.7	2.5	2.64	45	2.41	ioi
	9774.0		100	1.7	1.0	2.64	48	2,38	.01
						2,75	45	2,34	.01
	9778.0 9779.0		100	5.4 6.0	.0	2.73	<b>36</b>	2.29	.01
	9780.0		100	6.6	.0	2,72	33	2,23	10.
	9781.		100	6.5	.0	2.73	35	2,16	.01
F. P	*		• • •	7 7		<b>**</b> **********************************			

nett.	ERM	WATER	PORCS	The state of the state of the	MATRIX	SHALE VOLUME	CUMULA' INTEGR		
er fan it Maar in de gewene fan de	OIL-UMS	SAT.	TOTAL		DENSITY			HC-FT	
FEET	(INDEX)	***	*	*	GM/CC		POR-FT	nc-r,	
9782.0	.01	100	5.6	.7	2,74	43	2,10	.01	
		Fredrik II.				26	2,02	,01	
9834.0	.04	100	7.3	.0	2.64	33	1.95	.01	
9835.0	.02	100	6,6	• 0	2.64	48	1.88	.01	
9836.0	.00	100	5.2	• 0	<b>4,04</b>				
9838.0	.00	100	3.4	.0	2,64	30	1,85	.01	
9839.0	.00	100	4.1	.0	2.64	27	1,61	.01	
9840.0	.00	100	2.4	.0	2,64	39	1,77	.01	
9841.0	.00	100	1.6	.0	2,64	49	1.75	.01	
#9769991511 <b>7</b> 1144	- 1 17 476 38	4 - A	A. M. A.			49	1,73	.01	
9844.0	.00	100	2.5	•0	2,64			- 15 - 15 - <del>- 18</del> 12 <b>2 24</b>	
9846.0	.01	100	5.6	• 0	2.65	43	1.70	.01	
9847.0	.01	100	5,3	.0	2,65	46	1,64	.01	
9852.0	.01	100	6.2	.0	2.65	38	1,59	.01	
9153.0	.02	100	6.8	.0	2,65	32	1,52	.01	
9 54.0	.02	100	6.3	.0	2,65	36	1.46	.01	
9855.0	.01	100	5,4	. 0	2.64	45	1.40	.01	
9856.0	.01	100	5.6	.0	2,64	44	1,34	.01	
	.02	100	6.4	.0	2.64	35	1.28	.01	
9857.0		100	6.5	.0	2,64	34	1,22	.01	
9858.0 98 <b>59.</b> 0	.02	100	5.5	.0	2.64	45	1.16	.01	
9879.0	.00	100	3.1	.0	2,64	40	1,11	.01	
		A 17 M					4	.01	
9886,0	.00	100	3.7	.0	2,65	48	1.08		
9890.0	.00	100	2.9	.0	2.64	43	1,06	,01	
9891.0	.00	100	5.1	.0	2,64	32	1.02	.01	
9892.0	.00	100	4.6	.0	2,64	40	.97	.01	
10036.0	.01	100	6.0	.0	2.82	<b>39</b> *	290	.01	
10037.0	.00	100	4.1	.0	2.70	39 39	,90 ,84	.01	
10037.0	.00	100	3.7	.0	2,69	34	.80	.01	
	.00	100	3,7	.0	2,66	28	.80 .76	,01	
10039.0	.00	100	4.9	.3	2.64	18	.73	.01	
10040.0		100	5.1	.0	2.64	10 25	.68	.01	
10041.0	.00		3.7	.0	2,64	41	,63	.01	
10042.0	.00	100	4,4	.0	2,65	49	,59	.01	
10043.0	.00	100	7,7 E E		2,65	erenga n <b>AA</b>	.54	,01	
10044,0	.01	100	5.5	• 0	2 64	48	.49	.01	
10045.0	.00	100	5.1	.0	2.54	eries de la Santa de br>Carresta de Carresta de Santa	, 47		
10087.0	.00	100	5.0	.0	2,64	49	.46	.01	
10088.0	.00	51	5,1	.0	2,64	49	,41	.01	
10089.0	.00	100	5.2	.0	2,65	48	,39	.00	
10100.0	.02	100	6.8	.0	2,64	32	.31	.00	

DEPIH	OIL-GAS	WATER SAT.	POROS:	SEC.	MATRIX DENSITY GM/CC	SHALE VOLUME	CUMULAT INTEGRA POR-FT	
PEET	(INDEX)		***************************************	*	GM/CC			
10101.0 10102.0	.01	100 100	6.0 3.5	.0	2.64 2.64	16 36	.24 .18	.00
10110.0 10111.0 10112.0	.02	100 100 100	6.1 6.4 5.1	.0	2,65 2,65 2,64	38 36 48	.15 .09 .03	.00

. 경우, 1985년 - 19

.0 .01 100 6.1 .0 2.6 5 38 .1 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* SCHLUMBERGER \*

HUSKY UIL COMPANY

GRIFFITHS NO. 1 - 33

ALTAMONT

DUCHESNE

UTAH

6 - 29 - 74

HOUSTON LOG INTERPRETATION CENTER

CORIBAND JOB

THIS JUB IS IN FEET

THE INTERVAL FOR THIS JOB IS BOTTOM TO TOP

FREQUENCY OF LISTING IS 1 FOOT

DISCRIMINATION MADE ON LISTING IS FROM VSH = 50

PERMEABILITY IS FROM THE E-4 EQUATION

THE CONSTANT IN THE EQUATION IS 250.

DEPTH	PERM. TO		POROS		MATRIX	SHALE	CUMULAT	
	OIL-GAS	SAT.	TOTAL	SEC.	DENSITY	VOLUME	INTEGRA	
FEET	(INDEX)	*	1	•	GM/CC		PUR-FT	HC-FT
10279.0	.01	100	5.8	5.0	2.65	39	28.64	2.89
10287.0	.56	62	11.4	2.9	2.65	23	28.55	2.89
10288.0	.42	63	10.9	3,7	2,65	24	28,43	2.84
10293.0	.18	82	9.5	5.0	2.65	36	28.34	2.81
10294.0	.08	85	8.3	4.0	2,65	43	28.24	2,79
10295.0	.05	76	7.5	.0	2.65	49	28.20	2.79
10296.0	.07	76	8.0	.0	2.65	46	28.12	2.77
10297.0	,03	100	6.9	2.1	2,65	49	28.05	2.76
10352.0	.03	100	6.9	.0	2,73	42	28.01	2,76
10353.0	.01	100	5.4	3.2	2,69	40	27.94	2.76
10354.0	.00	100	3.9	2.7	2,65	43	27.89	2.76
10370.0	.01	100	5.3	2,9	2,66	46	27.87	2,76
10371.0	.04	94	7.3	. 9	2.67	29	27.82	2,76
10372.0	.01	100	5.4	1,4	2.66	33	27,75	2.75
10373.0	.00	100	3.2	1.2	2.68	42	27.70	2.75
10374,0	.00	100	3.5	• 0	2.70	46	27.67	2.75
10375.0	.01	100	5.5	.0	2.73	42	27,63	2.75
10376,0	.02	100	6.8	. 2	2.70	33	27.57	2.75
10377.0	.08	83	8.3	2.0	2.67	21	27.50	2,75
10378.0	,26	60	10.0	3.8	2.65	13	27.41	2.73
10379.0	.49	53	11.2	4.0	2.65		27.31	2.69
10380,0	.20	64	9.6	1,5	2.65	15 36	27.20 27.11	2.61
10381.0	.03	84 95	7.2 6.9	1.4	2.65 2.68	36	27.04	2.60
10383.0	.03	100	4.6	.o.	2.67	46	26.97	2,60
10384.0	.00	100	4.3	. 1	2.65	49	26.95	2.60
10385.0	.os	100	7.6	;ò	2,65	38	26.90	2.60
10386.0	.17	86	9.4	.0	2,65	30	26.82	2.60
10387.0	.14	90	9.1	.0	2.65	26		2,58
10388.0	.08	99	8.2	1.4	2,65	23	26.64	2.58
10389.0	.01	100	6.1	3.3	2.65	30	26.56	2.58
10390.0	.00	100	3.0	1.3	2,66	42	26,50	2.58
10391.0	,00	100	3.8	.0	2.69	38	26,48	2.58
10392.0	.00	100	4.7	1.3	2.67	34	26.44	2.58
10393.0	.01	100	5.3	2.1	2.65	30	26.39	
10394,0	.01	100	6.0	1.8	2.65	32	26,33	2.58
10397,0	,01	100	6.0	, 3	2,69	38	26.25	2.58
10398.0	.00	100	4.2		2,67	38	26.19	
10399,0	.01	100	5.4	.0	2.69	34	26.15	2.58
10400.0	.00	100	4.2	1.5	2,65	43	26.10	2.58
10403.0	.04	98	7.3	.4	2,65	47	26,03	2,58

DEPTH	PERM. 48	WATER	POROS		MATRIX	SHALE	CUMULA	
en el el 1800 y <u>elle ble die bleite</u>	UIL-GAS	SAT.	TOTAL	1000000	DENSITY	AOLUME	INTEGR	
FEET	(INDEX)			8	GM/CC		POR-FT	HC-FT
10407.0	,14	90	9.1	1.3	2.70	25	25,95	2.58
10408.0	.07	88	8.1	3.1	2.66	21	25.86	2.57
10409.0	.05	84	7.5	2.1	2.67	17	25.78	2.55
10410.0	.01	100	5.7	3.1	2.65	25	25.71	2.55
10411.0		100	4.1	3.2	2.65	36	25,66	2,55
10412.0	,00	100	3.3	5.0	2,65	4.3	25.62	2.55
10420,0	.01	100	6.1	2.1	2,70	46	25.59	2.55
10421.0	.00	100	4.9	4.3	2.65	46	25,53	2.55
10422.0	.00	100	4.6	2.3	2.65	46	25.48	2,55
10433.0	.01	100	5.8	1.1	2.65	46	25,42	2.55
10435.0	.03	94	7.1	. 0	2.72	42	25.36	2.55
10436.0		100	7.4	, ŏ	2.70	42	25.29	2,54
1013010		100	* * * **				****	
10440.0	.11	96	8.7	.0	2,74	42	25.22	2.54
10441.0	, 31	70	10.4	• 0	2.73	29	25.13	2.53
10442.0	.21	61	9.8	.3	2,69	23	25.02	2.50
10443,0	.04	80	7.4	1.1	2.67	29	24.93	2.46
10444.0	.01	100	5.3	2.9	2,67	41	24.87	2.46
10448.0	.04	90	7.4	.0	2,68	47	24.84	2.46
10449.0	.06	91	7.9	.0	2.68	33	24.76	2.45
10450,0	.01	100	6.2	2.5	2.65	29	24.69	2,45
10451.0	.01	100	5.5	1.4	2.65	29	24.63	2,45
10452.0	.00	100	3.1	1.7	2.65	43	24.58	2,45
10475.0	,00	100	4.5	.0	2.68	46	24,56	2,45
10476.0	.02	100	6.7	. 2	2.71	30	24.51	2.45
10477,0	.00	100	4.5	1.2	2,68	34	24.45	2,45
10478.0	.00	100	5.1	. 4	2.65	34	24,41	2.45
10479,0	.03	100	6.9	.8	2,65	35	24.35	2.45
10480,0	.01	100	6.1	.6	2,65	43	24.28	2.45
10485.0	.01	100	5.4	.0	2,67	47	24.22	2.45
10486.0	.09	87	8.5	.0	2,65	31	24,16	2.45
10487.0	.08	98	8.3	.0	2.65	28	24.07	2,43
10488.0	.02	100	6.5	2.5	2,65	37	23.99	2.43
10573,0	.07	100	8,0	.0	2,78	44	23,93	2,43
10574.0	.01	100	5.6	.0	2.76	40	23.85	2.43
10590,0		100	4.3	•0	2.76	48 48 premius - 100	23.81	2.43
10596.0	.08	100	8.2	.0	2.78	45	23.79	2.43
10597.0	.03	100	6.9	.0	2.74	<b>41</b>	23.70	2,43
an area serving a Silving a State (1784). I	respective to the sequence of the particle of the	and the state of the state of	and a stronger off of the Seat	- 18 (St. 19)	그는 이 : 50000000000000000000000000000000000	and the state of t	and the property of the second	STATE OF THE STATE

DEPTH	PERM. TOP		PURUS		MATRIX	SHALE	CUMULA	
W- 4-4 4-5 144	OIL-GAS		TUTAL		DENSITY GM/CC	VOLUME	INTEGRA POR-FT	A SPECIAL SECTION AND LAND
FEET	(INDEX)	*		***************************************	UNIC		FUNTER	****
10603.0	.37	90	10.7	.0	2.80	28	23.64	2.43
10604.0	2.77	55	14.9	.0	2.76	0	23,52	2,41
10605.0	.37	70	10.7	.0	2.68	0	23.38	2.35
10606.0	.01	100	5.5	. 0	2,63	4	23.28	2,33
10607.0		100	.2	.0	2.63	18	23.24	2.33
10608.0	.00	100	• 1	. 0	2.64	49	23.24	2,33
10010.0	.00	100	3.5	. 0	2,67	45	23.22	2.33
10511.0	.00	100	4.2	.0	2,69	45	23.18	2,33
10612.0	.01	100	5,3	.0	2.73	37	23,13	2.33
10613.0	.00	100	3.1	.0	2.73	41	23.09	2.33
	n en tra a Nace <b>nte</b> escala	***			2.69	41	23.03	2.33
10016.0	-	100	5.9 6.3	.0	2,68	29	22.97	2.33
10017.0	.02 .02	100	6.3	:0	2.66	$\frac{5}{2}$ 4	22.91	2.33
10618.0	.03	100	6.8	,0	2.66	18	22.85	2.33
10620.0		95	7.7	.ŏ	2.69	å	22.78	2.33
10021.0	.03	100	7.0	.0	2.72	4	22.70	2.33
10622.0	<ul> <li>A. A. A</li></ul>	100	6.3	.0	2.73	8	22.63	2,33
10023.0	.00	100	3.2	.0	2.72	24	22.57	2.33
10624.0		100	.0	.0	2.69	49	22,55	2.33
			· · · · · · · · · · · · · · · · · · ·		Section 1			* *
10631.0	.07	100	8.1	.0	2.78	37	22.51	2.33
10632.0	.00	100	2.7	.0	2.74	41	22.44	2.33
10647.0	,01	100	5.2	.0	2.83	45	22.41	2.33
10648.0		100	8.0	.0	2.82	24	22.35	2,33
10649.0	.01	100	5.7	.0	2.80	16	22.27	2.33
10650.0	.00	100	.0	.0	2,80	37	22.23	2,33
		VAA	a .	F 468 & 2		AE.	22.22	
10706.0	.07	100	8.1 7.3	.0	2,78 2,75	45 39	22.23 22.15	2.33
10708.0	.04	100	6.1	.0	2.71	45	22.08	2.33
10709.0	.01	100	5.7	2.2	2,67	49	22.02	2.33
10729.0	.07	95	8.1	3,2	2.75	45	21.91	2.33
10746,0	,03	100	7.2	.0	2.71	39	21.85	2.33
10747.0		100	7.9	1.0	2,68	37	21.77	2,33
10/48.0	.01	100	5.3	1.1	2.65	44	21.70	2.33
10749.0		100	4.1	•0	2,65	49	21.65	2.33
10750.0	.00	100	5.2	• 0	2,69	48	21.63	2.33
10755.0	.01	100	5.2	.0	2.75	41	21.58	2.33
10756.0		100	4.4	,o	2.74	42	21.52	2,33
	regionale in regione <b>de la compa</b>	a section of					· · · · · · · · · · · · · · · · · · ·	
10758.0	.00	100	4.6	.0	2.69	35	21.47	2.33
		and the second second			The second of th		the first angles of the second of the	

DEPTH	PERM. DY	WATER	POROS		MATRIX	SHALE	CUMULAT	45 <u>25</u> 13 15
	Oll-GAS	SAT.	TOTAL	H 14 (3020) 1, 1 1 1 1	DENSITY	VOLUME	INTEGRA	and the second second
FEET	(INDEX)		*		GM/CC	*	POR-FT	HC-FT
10760 A	ΛΛ.	100	4 2	۸	2.72	29	21.42	2.33
10759.0	.00	100	4.2	.0	2.70	29	21.39	2.33
10760.0	.00	100	1.5		2.71	3.3	21.36	2.33
10761.0	.00	100		.0		45	21.35	2.33
10762.0	.00	100	, 4	.0	2.70	127.5		2,33
10763,0	.00	100	1.8	• 0	2.68	46	21.35	2.33
10764.0	.00	100	3.0	.3	2.67	44	21.33	Access to the Control of the Control
10765.0	.00	100	4.0	.0	2.69	40	21.29	2.33
10766.0	.00	100	4.3	•4	2.71	42	21.25	2.33
10767.0	.00	100	4.8	.0	2.73	46	21.21	2.33
10768.0	.02	100	6.7	.0	2.75	42	21.15	2.33
10769.0	.11	94	8.7	. 0	2.73	37	21.08	2.33
10770.0	.08	92	8.3	.1	2,67	• 2	20.99	2,32
10771.0	.03	100	7.1	2.2	2,65	45	20.91	2,32
10776.0	.01	100	5.9	1.2	2.66	39	20.85	2.32
10777,0	.00	100	2.5	1.5	2,66	49	20.80	2,32
				- Sec 1	Sec. Sec. Sec.	The State of the S		
10781.0	.01	100	6.3	.0	2,75	37	20.77	2,32
10782.0	.08	100	8.2	.0	2.74	20	20.69	2.32
10783.0	.01	100	5.6	2.9	2.69	29	20.62	2.32
10784.0	.00	100	5.0	2.5	2.66	39	20.57	2.32
10785.0	.04	100	7.2	2,2	2.65	37	20.51	2.32
10786.0	.07	100	8.1	2.4	2.65	35	20.44	2.32
10787.0	.05	100	7.7	1.3	2,65	32	20.36	2,32
10788,0	.01	100	5.4	. 8	2.65	40	20,29	2.32
10800.0	.00	100	3.6	1.1	2.65	41	20.24	2.32
10801.0	.00	100	1.4	1.4	2,65	48	20.21	2.32
er i die afficies Nobel in die de	ne e a a saire .				to the contract of the second		and the second of	And the same
10808.0	.00	100	. 9	. 9	2.67	47	20.19	2,32
10809.0	.00	100	1.3	.0	2.67	33	20.18	2.32
10810.0	.00	100	1.4	1.1	2,66	36	20,17	2.32
10811.0	.00	100	1.6	1.6	2.65	39	20.16	2.32
10835.0	.00	100	2.4	2.4	2.65	46	20.13	2.32
10841,0	.00	100	1.0	1.0	2.67	48	20.12	2.32
10859.0	.01	100	5.4	1.8	2.65	43	20.08	2.32
10860.0	.00	100	4.0	2.1	2,65	45	20.03	2.32
	e (New York State Control	المراشق الإ	nga nasa	. Jaan	e en jaron agage Projektiek, en et en V	No company of the	in page 1860 - 1870	المشاعب المسا
10869.0	.00	100	4.1	.3	2.66	45	20.01	2.32
10870.0	.00	100	3.5	2.3	2.65	33	19.97	2,32
10871.0	.00	100	3.4	1.5	2,67	29	19.94	2.32
10872,0	.01	100	5.5	2.6	2.67	21	19.90	2,32
10873.0	.02	100	6.7	4.8	2.68	13	19.84	2.32
10874.0	.00	100	3.7	3.7	2.69	23	19.78	2.32
10075.0	.00	100	1.4	1.4	3.66	35	19.75	2.32

DEPTH	PERM.TO	WATER SAT.	PUROS TUTAL		MATRIX	SHALE	CUMULA	TIVE ATIONS
PEET	(INDEX)		<ul> <li>The British With Reduced State Council</li> </ul>	. 그는 점 전상 주어주요	DENSITY	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A CONTRACT PROPERTY OF THE
	(IUNEA)				GM/CC		POR-FT	
10876.0	.00	100	1.6	.0	2.66	34	19.73	2,32
10877.0	.00	100	3.2	.0	2.65	34	19.71	2,32
10878,0	.00	100	3.8	. 4	2.65	44	19.68	2.32
10884.0	.01	100	5.4	2,0	2,65	43	19.66	2,32
10893.0	.02	100	6.7	.0	2,72	48	19,61	2.32
10894.0	.06	100	7.8	.0	2.72	40	19.54	2.32
10895.0	.11	100	8.8	.0	2,72	28	19.46	2.32
10896.0	.06	100	8.0	1.2	2.70	28	19.37	2.32
10897.0	.12	100	8.9	1.2	2.71	25	19.29	2.32
10898.0	.12	100	8.9	1.4	2.71	25	19.20	2.32
10899.0	.04	100	7.2	3.2	2,69	36	19,12	2.32
10939.0	.20	98	9,6	5,4	2,65	33	19,01	2.32
10940.0	.11	98	8.8	2.1	2,65	21	18.92	2.31
10941.0	.02	100	6.8	. 6	2,65	38	18.84	2.31
10942.0	.06	100	7.9	1.1	2.65	33	18.77	2.31
10941.0	.03	100	6.8	2,3	2,66	33	18,69	2,31
10976,0	.00	100	4.7	3.4	2,65	36 36 1888 -	18.60	2,31
10987.0	.02	100	6.8	.0	2,68	45	18.56	2.31
10988.0	.02	100	6.6	.0	2.65	41	18,49	2.31
10989.0	.00	100	4.1	.0	2.65	48	18.43	2,31
10990.0	.00	100	5.2	.0	2.71	39	18.38	2.31
10991.0	.00	100	4.8	.0	2,74	37	18.33	2.31
10992.0	.00	100	3.6	.0	2.74	35	18.29	2.31
10993.0	.00	100	1.1	1.1	2.69	46	18.25	2.31
10994.0	.00	100	1.5	.0	2,65	44	18.24	2,31
10995.0	.00	100	2.5	. 0	2,65	49	18.23	2.31
10996.0	.00	100	4.7	2.2	2.68	40	18.19	2.31
10997.0	,00	100	4.1	4.1	2,65	38	18.15	2,31
10998.0	.00	100	2.8	2.8	2,65	45	18,11	2,31
11002.0	.13	94	9.9	.0	2,65	34	18.07	2,31
11003,0	, 32	79	10.4	1.3	2.65	27	17.97	2.30
11004.0	.08	97	8.3	1.3	2,65	32	17.87	2.28
11005.0	.14	87	9.1	.0	2.65	21	17.79	2.28
11006.0	.16	89	9.3	.0	2,65	16	17.69	2.27
11007.0	.04	100	7.3	.0	2,65	23	17.60	2.26
11008.0	.00	100	4.3	.0	2.65	42	17.54	2,26
11011.0	.03	100	6.9	.0	2.69	48	17.52	2.26
11012.0	.07	100	8.0	.0	2.71	38	17.45	2.26
11013.0	.17	100	9.4	.0	2,73	29	17.36	2.26
11014.0	.18	100	9.4	.0	2,71	25	17.27	2.26
11015.0	.03	100	6.8	.0	2.65	28	17.18	2.26

	18.	ر <u>شو الرو</u> ر مقعادی	- 10 - an surplant control	The Committee of	90 - 500 (500 (500 (500 (500 (500 (500 (5	ere i e e e e e e e e e e e e e e e e e	The second secon	The second secon	
DEPTH	PERM.TO OIL-GAS	WATER SAT.	PUROS	SITY L SEC.	MATRIX DENSITY	SHALE VOLUME	CUMULA	ATIVE RATIONS	
FEET	to the second second second second second	*			GM/CC		POR-FT		
11016.0	.00	100	5.0	. 1	2.65	34	17.11	2.26	
11017.0		100	4.3	. 5	2.65		17.06	2,26	
11032.0	.10	100	8.6	.0	2.81	42	16,98	2.26	
11033,0	,01	100	6.2	2.1	2.71	48	16,90	2.26	
11034.0	.00	100	4.4	.0	2,67	46	16.84	2.26	
11035.0	.05	100	7.6	.0	2,69	35	16.79	2.26	
11036.0	.25	100	10.0	.0	2.68	19	16.71	2.26	
11937.0	.71	78	11.9	.0	2.65	0	16.61	2.26	
11038.0	.14	100	9.1	.0	2,63	0	16.50	2,24	
11039.0	.01	100	6.2	2.4	2.65	12	16.41	2.24	
11040.0	.00	100	2.2	2.2	2,65	38	16,36	2.24	
11041.0	.00	100	3.5	2.0	2,72	46	16.34	2.24	
11042.0	.03	100	7.0	2.3	2,85	46	16.30	2,24	
11043.0	.06	100	7.8	2.1	2.95	47	16.22	2.24	
11044.0	.15	100	9,2	2.1	2,95	38	16.15	2,24	
11045.0	.09	100	8.4	5.7	2,84	38	16.05	2.24	
11073.0	.70	100	11.9	.0	2,72	15	15,93	2.24	
11074.0	.47	93	11.1	.9	2,67	0	15.81	2.24	
11075.0	.05	100	7.6	4.3	2.65	6	15.71	2.24	
11076.0	.00	100	2.9	2.9	2,65	30	15.64	2,24	
11088.0	,09	100	8.5	.0	2,64	43	15,62	2,24	
11090.0	.01	100	5.2	.0	2.71	38	15.53	2,24	
11091.0	.00	100	3.8	3.8	2.67	38	15.48	2.24	
11092.0	.00	100	2.6	2.6	2.65	37	15,45	2,24	
11093.0	.00	100	1.4	.0	2.66	38	15.43	2.24	
11094.0	.00	100	2.1	.0	2.68	32	15.41	2,24	Name of the State of
11095,0	.00	100	3.1	. 9	2.67	30	15.39	2,24	
11096.0	.00	100	1.6	1.1	2.65	37	15,36	2.24	
11097.0	.00	100	1.1	.0	2,67	46	15.35	2.24	ini Kaling biya nganggang
11111.0	.00	100	5.2	• 0	2.65	40	15.32	2.24	About the first the state of
11112.0	.00	100	4.3	.0	2.65	15	15.27	2,24	
11114.0	.01	100	5.5	2,2	2.65	42	15.25	2.24	i i nitan ili niga
11115.0	.13	100	8.9	7.7	2,65	34	15.18	2.24	
11116,0	.06	100	7,8	. 8	2.65	47	15.09	2,24	
11118.0	.17	100	9.4	.0	2,65	29	15.01	2.24	
11119.0	.27	100	10.1	. 3	2.65	16	14.92	2.24	and the second of the second
11120.0	.12	100	8.9	.0	2,64	40	14.81	2,24	
11140.0	.01	100	5.7	.0	2.70	47	14.74	2,24	
11163,0	.32	100	10.4	.0	2,65	27	14,64	2,24	

DEPTH	PERM.TO	WATER SAT.	POROS TOTAL	Section of the sectio	MATRIX DENSITY	SHALE VOLUME	CUMULA'	ATIONS
FEET	(INDEX)		•	8	GM/CC		POR-FT	HC-FT
11164,0	.25	100	10.0	1.5	2.65	30	14.53	2.24
11165.0	.05	100	7.7	.0	2,65	30	14.44	2.24
11189.0	.03	100	6.8	.0	2,92	47	14.38	2.24
11190.0	.04	100	7.3	.0	2,84	30	14.31	2.24
11191,0	.03	94	7.1	.0	2.80	24	14.24	2,24
11192.0	.02	97	6.3	•0	2.79	19	14.17	2.23
11193.0	,00	100	5.2	.0	2.77	22	14.11	2,23
11194.0	.00	100	4.6	• 0	2.76	28	14.06	2.23
11195.0	.00	100	4.1	.0	2.77	33	14.02	2,23
11196.0	.01	100	5.6	• 0	2,77	26	13.97	2.23
11197.0	.01	100	5.6	.0	2.74	19	13.92	2.23
11198.0	.00	100	4.0	.0	2,72	27	13.87	2.23
11199.0	.00	100	4.3	.0	2.73	33	13.83	2.23
11200.0	,00	100	3.3 	•0	2,71	43	13,78	2.23
11216.0	.03	100	7,2	.0	2,71	44	13.77	2.23
11217.0	.20	90	9.7	.0	2.75	25	13,69	2,23
11218.0	.20	81	9,7	.0	2.74	25	13.59	2.22
11219.0	.20	71	9.7	.0	2,72	25	13.49	2.20
11220.0	.45	60	11.0	. 0	2,72	15	13,39	2.17
11221.0	.72	53	11.9	.0	2.70	8	13.28	2.12
11222.0	.04	94	7.3	.0	2.68	16	13.17	2.08
11223.0	.00	100	4.2	.0	2,63	36	13,11	2.08
11235.0	.09	83	8.5	.0	2.77	34	13.02	2.07
11236.0	.12	76	8.9	.0	2.76	22	12.94	2.06
11237.0		64	9.5	.0	2.74	15	12.84	2.03
11238.0	.14	62	9.1	. 0	2.74	15	12.75	1.99
11239.0	.10	60	8.6	.0	2.73	19	12.66	1.96
11240.0	.08	69	8.3	.0	2,71	18	12.57	1.93
11241.0	.01	100	5.2	.0	2.67	31	12.49	1.91
11242,0	.01	100	5.7	.0	2,64	42	12.44	1.91
11244.0	.03	100	6.9	.0	2.71	46	12.35	1.91
11245.0		97	7.8	.ŏ	2.74	39	12.28	1,91
11246.0	.08	86	8.3	.0	2.70	36	12.20	1.91
11247.0		64	10.5	.ō	2.71	18	12,11	1.89
11248.0	.90	49	12.3	.0	2.73	4	12.00	1.84
11249.0	1,15	43	12.3	.0	2.73	0	11.87	1.78
11250.0	.11	52	8.7	.0	2.72	8	11.75	1.71
11251.0		75	6.5	.0	2.66	30	11.68	1.08
11252.0	.00	100	4.0	.0	2,63	46	11,61	1.67
11284.0	c a	100	6.9	n	2,76	43	11.59	1.67
11285.0	.03 .19	77	9.6	.0	2.79	20	11.52	1.00
	anner i de la	and the state of t	7 * W	<b>● V</b>	<b>***</b> *********************************		****	A # 76 14
11286.0	.05	83	7.7	. 0	2.80	20	11.42	1.64

DEPTA	PERM. 108		PURUS; TUTAL		MATRIX DENSITY	SHALE	CUMULA	TIVE
FEET	(INDEX)				GM/CC		PUR-FT	
11288,0	.00	100	• 0	• 0	2.90	46	11.36	1.63
11292.0	.00	100	1.0	.0	2.71	46	11.34	1.63
11293.0	.00	100	.0	.0	2.64	47	11.34	1.63
11294.0	.00	100	1.2	. 0	2.67	37	11.33	1,63
11295.0	.00	100	.2	.0	2.68	36	11.32	1,63
11296.0	.00	100	.0	.0	2.68	44	11.32	1.63
11308.0	.03	98	7.0	.0	2.80	34	11.29	1.63
11309.0	.00	100	4.9	.0	2.76	37	11.22	1.63
11312.0	.04	71	7.2	.0	2,79	44	11.20	1.63
11313.0	.03	83	6.9	.0	2,67	24	11.11	1.60
11314.0	.00	100	2.1	, 0	2.64	47	11.06	1.59
11341.0	.04	89	7.3	.0	2.83	44	11.05	1,59
11342.0	.10	69	8.6	.0	2.78	33	10.97	1.58
11343.0	.16	61	9.3	.0	2.74	23	10.88	1.55
11344.0	.05	68	7.8	. 0	2.72	27	10.79	1.52
11345.0	.02	74	6.8	.0	2.71	27	10.72	1.50
11346.0	.04	74	7.4	.0	2.72	17	10.65	1.48
11347.0	.04	70	7.4	.0	2,73	10	10.57	1.46
11348.0	.07	58	8.1	.0	2.73	8	10.50	1.43
11349.0	.00	100	3.4	.0	2.73	6	10.43	1.42
11350.0	.00	100	1.3	.0	2.74	20	10.40	1.42
11351,0	.00	100	3.1	.0	2.69	37	10,39	1.42
11352.0	.00	100	3.2	.0	2.66	39	10.35	1.42
11353.0	.00	100	4.6	.0	2,69	27	10,32	1.42
11354.0	.03	99	7.0	.0	2.72	10	10.27	1.42
11355.0	.01	93	6.0	.0	2.75	3	10,20	1,41
11356,0	.00	100	3.8	. 0	2.74	8	10.15	1.41
11357,0	.01	71	5.3	.0	2.74	10	10.11	1.40
11358.0	.00	97	4.1	. 0	2.75	10	10.05	1,39
11359.0	.00	100	1.0	.0	2,78	23	10.02	1.39
11360.0	.00	100	.0	• 0	2.86	47	10.01	1.39
11374.0	,13	85	8.9	.0	2.87	31	9.98	1.39
11375.0	.55	62	11.4	.0	2,79	10	9.88	1.37
11376.0	.16	62	9.3	. 0	2.72	10	9.77	1.32
11377.0	,03	95	6.9	.0	2,66	27	9,68	1.30
11406,0	.00	100	.0	.0	2,67	41	9.60	1.30
11407.0	.00	100	.0	• 0	2.66	28	9.60	1.30
11408.0	.00	100	.0	.0	2.65	39	9.60	1.30
11409.0	.00	100	3,9	.0	2,63	47	9.59	1,30
11412,0	.00	100	4.0	.0	2,63	44	9,55	1.30
11422.0	.02	100	6.4	.0	2.73	44	9.52	1.30
			n se differenciano	aražanna ena e	ระบบส่งเป็นเส้นปี และสามารถ	awa sala Tisa National	- <b> </b>	

DEPTH	PERM. TO	WATER	POROS		MATRIX	SHALE	CUMULAT	
	OIL-GAS	SAT.	TUTAL		DENSITY	AOTAME	INTEGRA	
FEET	(INDEX)			•	GM/CC		POR-FT	HC-FI
11423.0	.06	100	7.8	.0	2.76	24	9.45	1.30
11424.0	.04	88	7.4	.ŏ	2,77	10	9.37	1.30
11425.0	.00	98	4.4	.0	2,73	7	9.30	1.29
11426.0	.00	100	2.2	.ŏ	2,68	12	9,27	1.29
11427.0	.00	100	2.1	.0	2.63	15	9.25	1.29
11428.0	. ŏŏ	100	.0	.ŏ	2.63	35	9.23	1.29
		• • •						
11439.0	.09	82	8.5	.0	2,69	34	9.20	1.29
11440.0	.00	100	2.9	.0	2,69	<b>27</b>	9.12	1.28
11459.0	.00	100	1.1	.0	2,67	37	9.10	1.28
11460.0	.00	100	1.0	.0	2.67	36	9.09	1.28
11461.0	.00	100	. 4	.0	2,69	48	9.08	1.28
11465.0	.02	100	6.3	• 0	2.83	37	9.05	1.28
11466.0	.09	79	8.4	.0	2,83	22	8.98	1,27
11467.0	.12	73	8.9	.0	2.78	14	8.90	1.25
11468.0	.03	90	7.0	.0	2.75	Ī5	8.81	1.23
11469.0	.01	92	6.0	. 0	2.71	20	8.74	1,23
11470.0	.01	100	5.3	.0	2,69	31	8.69	1.23
11471.0	.00	100	4.1	•0	2.66	48	8,63	1.23
11477.0	.01	100	6.2	.0	2.74	39	8,61	1.23
11478.0	.05	100	7.5	.0	2.75	30	8.55	1.23
11479.0	.12	77	8.9	. 0	2.74	10	8.47	1.22
11480.0	.06	67	7.9	.0	2.73	17	0.38	1.20
11481.0	.03	75	7.0	.0	2,73	23	8.31	1.17
11482.0	.04	100	7.3	.0	2.72	27	8.23	1.16
11483.0	.01	100	5,9	.0	2.67	44	8,17	1.16
11496.0	.00	100	3.4	.0	2.79	45	8.14	1.16
11497.0	.01	100	6.1	-0	2,78	20	8.10	1.16
11498.0	.02	84	6.8	.0	2.75	13	8.03	1.16
11499.0	.00	93	5.2	.0	2,71	23	7.97	1.15
11500.0	.01	81	6.0	.0	2.71	27	7.91	1.15
11501.0	.02	84	6.3	.0	2.70	29	7.85	1.14
11502.0	.01	84	5.9	.0	2.69	27	7.79	1.13
11503.0	.01	86	5.5	.0	2.69	17	7.73	1.13
11504.0	.00	100	4.3	. 0	2.73	10	7.68	1.11
11505.0	.00	100	2.9	.0	2,74	13	7.64	1.11
11506.0	.00	100	1.6	.0	2.72	24	7.62	1.11
11507.0	.00	100	1.8	.0	2,73	32	7.60	1.11
11508,0	,00	100	1,3	•0	2.74	<b>47</b> Svetski sem og 1	7.58	1.11
11515.0	.00	100	3,9	.0	2.79	41	7.57	1.11
11516.0	.01	100	5.8	.0	2.79	17	7.53	1.11
11517.0	.02	84	6.6	.0	2.75	0	7,47	1.11
11518.0	.00	68	5.1	.0	2,73	7	7,41	1.10

DEPTIL	PERM. NO	WATER	POROS		MATRIX	SHALE	CUMULA INTEGR	
ana (34 n. <u>32 n.3 2 32)</u> a	OIL-GAS	SAT.	TOTAL		DENSITY	AOLUME	The second second second second second	and the state of t
FEET	(INDEX)		•	1	GM/CC		POR-FT	HC=FT
11519.0	•00	77	5.1	•0	2.74	13	7.36	1.09
11520.0	.02	62	6.5	.0	2.76	15	7.30	1.08
11521.0	.07	54	8.2	.0	2.74	17	7.23	1.05
11522.0	.17	53	9.3	.0	2.73	17	7.15	1.01
11523.0	.05	65	7.7	.0	2.68	30	7.05	.97
11524.0	.00	100	3.7	.0	2,65	47	6,99	.95
11534.0	.00	100		.0	2,68	41	6.97	.95
11537.0	.00	100	2.8	.0	2.76	48	6.96	.95
11538,0	.01	91	5.3	.0	2.76	24	6.92	.95
11539.0	,01	85	5.3	.0	2,73	11	6.87	.94
11540.0	.00	78	5.1	.0	2,70	13	6.82	.94
11541.0	.01	63	6.0	.0	2.68	17	6.77	.92
11542.0	.02	60	6.7	.0	2.67	17	6.70	.90
11943.0	.04	57	7.3	.0	2.67	15	6.63	.87
11544.0	,03	59	7.0	.0	2.65	18	6.56	.84
11545.0	.02	59	6.7	.0	2,65	18	6,49	.81
11546.0	.02	68	6.4	.0	2.65	21	6.43	.79
11547.0	.00	99	4.4	.4	2,65	37	6.37	.77
11552.0	.02	95	6,8	.0	2,77	30	6,30	.77
11553.0	.06	76	7.9	1.8	2.75	7	6.23	.76
11554.0	.01	77	6.2	2.0	2.75	7	6,15	.74
11555.0	.00	97	3.9	. 7	2.75	17	6.09	. 73
11556.0	.00	100	1.0	.3	2.70	37	6.06	.73
11557.0	.00	100	.5	•0	2,69	49 4985011	6.05	.73
11559.0	.00	100	4.1	.0	2.75	41	6.05	.73
11560,0	.01	100	5.6	.0	2,72	21	6,00	.73
11561.0	,00	100	3.7	.0	2,67	32	5.95	• 73
11562.0	.00	100	2.3	.0	2,67	34	5,92	.73
11563.0	.00	100	1.1	.8	2.67	39	5.90	.73
11569,0	,01	100	5.3	.0	2,79	40	5.87	.73
11570.0	.01	100	6.2	.0	2,76	32	5.81	.73
11571.0	.00	100	4.2	.0	2,71	<b>40</b>	5,75	.73
11573.0	.00	100	.9	.6	2.67	47	5.72	.73
11574.0	.00	100	.9	.9	2,68	41	5.71	.73
11575.0	.00	100	.9	•0	2.68	<b>36</b> Alaman ji har	5.70	.73
11501.0	.01	100	6.2	.0	2.84	46	5.69	.73
11602.0	.02	100	6.7	0	2,74	29	5.62	.73
11503.0	.00	100	4.2	1.5	2.70	29	5.56	.73
11604.0	.00	100	1.1	1.1	2.69	36	5.53	.73
11605,0	.00	100	. 4	.4	2.70	39	5.52	.73
11606.0	.00	100	.6	,6	2.69	42	5.52	.73

DEPTIP PERM TO WATER OIL-GAS SAT			SITY L SEC.	MATRIX DENSITY	SHALE	CUMULA		
PEET	(INDEX)		*	n sec.		VOLUME	INTEGR	
**************************************		ti, se a de <b>regi</b> niti	***		GM/CC		POR-FT	HC-FT
11607.0	.00	100	1.4	1.4	2.65	47	5.51	Ally my
11608.0	.00	100	3.0	.6	2.66	44	5.49	.73
11609.0	.00	100	2.9	1.2	2.70	43	5.46	,73
	이 성취되었다.						3.40	.73
11617.0	.06	88	7.8	.0	2.77	27	5.41	.73
11618.0	.17	73	9.4	.0	2.76		5.33	,72
11619.0	.02	87	6.3	2.1	2.72	10	5.24	.70
11620.0	.00	100	1.1	1.1	2,67	35	5.19	.69
11621,0	.00	100	1.5	. 4	2,65	48	5.18	.69
11625.0	.00	100	.8	.8	2.68	48		
							5,17	.69
11639.0	.05	100	7.6	.0	2.84	34	5.13	.69
11640.0	.03	100	7.0	.0	2.78	34	5.06	.69
11641.0	.00	100	4.3	•0	2.71	49	4.99	,69
11649.0	.02	100	6.6	•0	2.77	41	4.94	.69
11650.0	.01	99	5.9	.0	2.76	37	4.87	.69
11651,0	.01	90	5.9	. 0	2.74	31	4.81	.69
11652.0	.00	100	4.8		2.70	30	4.75	.69
11653,0	.00	100	1.1	.0	2,67	47	4.72	
11654.0	.00	100	.9	.0	2.67	47	4.71	.69
11656.0	.00	100	2.0	.7	2.69		4,69	.69
11666.0	.00	100	3.7	.0	2,76	42		110000
11667.0	.01	100	5.4	.0	2,77	28	4,67	.69
11668.0	.00	100	2.1	.0	2.72		4.63 4.58	.69
				e i de la Maria de la composición de l			**************************************	.69
11672.0	.02	100	0.5	.0	2.93	47	4.57	.69
11673.0	.00	100	4.5	.0	2.81	43	4.51	.69
11674.0	.00	100	5.2	.0	2,74	30	4.47	.69
11075.0	.01	92	6.2	.0	2.73	12	4.41	.69
11676.0	.00	100	3.7	.6	2.69	25	4.35	.68
11677,0	.00	100	. 4	.0	2,69	43	4.32	.68
11691,0	.00	100	1.7	.0	2,75	47	4.32	.68
11698.0	.00	100	1.2	.0	2,78	49	4.31	
11699.0	.00	100	2.0	.0	2.77	42	4.29	.68
11700.0	.00	100	2.7	1.7	2.76	47	4.27	.68
11705.0	.03	100	7.1	4.8	3 3A			
11706.0	.00	100	2.6	2.6	2.74 2.65	44	4.22	.68
		<ul> <li>(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)</li></ul>		• • • • • • • • • • • • • • • • • • •		43	4.17	.68
11716.0	.09	98	8.5	2.2	2,65	28	4.12	.68
11717.0	.03	100	7.1	2,5	2,65	45	4.03	.68
11752,0	•00	100	4,7	.0	2.78	47	4 00	
				rees Albustaniae	A	<b>** /</b> Head NACON College Turk (Associated	4,00	.68

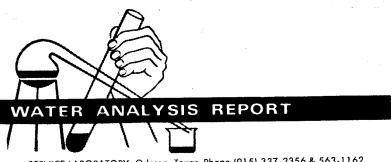
	**************************************							
	PERM. TS	A. A. MILES P.	POROS	****	MATRIX	SHALE	CUMULA'	PIVE
DEPTH		WATER	Change of the state of seathers of	was a second of the	DENSITY	VOLUME	INTEGR	
arang k <u>ababba</u> a	OIL-GAS	SAT.	TUTAL		<ul> <li>And Proceedings of the Proceedings of the Processing</li> </ul>	1000	POR-FT	HC-FT
PEET	(INDEX)	*		8	GM/CC		r white	
11753.0	.01	92	5.8	.0	2.80	40	3.94	.68
11754.0	.00	100	4.9	.0	2.78	39	3.89	.68
11755.0	.00	100	2.6	.0	2.75	42	3.84	.68
11761.0	.00	100	3.6	, 0	2.82	46	3.82	.68
11762.0	.02	100	6.3	.0	2.82	35	3.78	.68
11763.0	.10	76	8.5	.0	2.84	30	3.71	.67
11764.0	.11	74	8.7	.7	2.90	33	3.62	.65
11765.0	.04	94	7.3	4.2	3.00	43	3.54	.63
11776.0	.00	100	5.2	.0	2,72	47	3,50	.63
11777.0	2.5	91	7.6	.0	2.72	32	3.44	.63
11778.0	.04	91	7.4	. 7	2.70	28	3.37	.62
11779.0	and the second of the second	100	5.8	1.3	2.65	33	3,30	.62
11780.0	.03	100	6.9	.6	2.65	27	3.24	.62
11781.0		100	5.6	.0	2,65	43	3.17	.62
11786.0	.03	99	6.8	.0	2,74	47	3.14	.62
11787.0	.15	74	9.2	.0	2.73	22	3.07	.61
11788.0	, ô ó	100	5.0	5.0	2,66	23	2.98	.59
11789.0	.00	100	1.3	.0	2.67	33	2.94	.59
11790.0		100	. 9	.0	2,68	37	2,93	.59
11791.0	.00	100	1.1	.0	2.67	32	2.92	.59
11792.0		100	. 9	.0	2,68	28	2.91	.59
11793.0	.00	100	.7	.0	2.69	29	2.90	.59
11794.0	and the second of the contract of	100	1.3	.9	2,67	25	2,90	.59
11795.0	.00	100	.6	.0	2.69	30	2.89	.59
11796.0	and the second of the second o	100	.2	.0	2,70	44	2,68	.59
11016.0	.27	65	10.1	.0	2,84	21	2,84	.58
11817.0		58	11.3	.0	2.82	6	2.74	.54
11818.0		54	10.2	.0	2,79	6	2.63	.50
11819.0		45	10.3	.0	2.79	7	2.52	.45
11820.0		42	10.2	1.7	2,80		2,42	.39
11821.0	.12	51	8.9	.6	2.79	10	2.32	, 34
11822.0		73	4.8	.3	2,73	23	2,24	.30
11823.0		100	1.3	.0	2.71	30	2,20	.30
11824.0	and the second of the second of the second	100	., j	.0	2.75	30	2.19	.30
11825.0		100	.0	.0	2.76	40	2.19	.30
11826.0		100	,0	.0	2.74	47	2,19	.30
		a Magaza	ing a second	1,71 g., <b>34</b> 1 8		enger en en <b>en e</b> l en en en en		.30
11836.0		100	1.8	• 0	2.77	33	2.18	.30
11837.0		100	. 4	.0	2.70	27	2.16	.30
11838.0		100	.8	.0	2.69	23	and the second s	.36
11839.0 11840.0		100	.8	.0	2.69 2.68	29 41	2.15 2.14	.30
11867.0		100	2.3	.0	2.73	40	2.13	.30
**************************************				er i est ek <b>#</b> 07 <b>7</b> 0186			- 1 (1970) #1. (\$1. 1971) 4 (1. 1971)	a in Filtrica

DEPTH	PERM.TO	WATER SAT.	POROS		MATRIX DENSITY	SHALE	CUMULA'	
PEET	(INDEX)		4		GM/CC	•	POR-FT	
		e jew bye 19						
11868.0	.00	100	2.3	1.1	2.74	35	2.10	.30
11869.0	.00	100	.4	.4	2.70	38	2.09	.30
11870,0	.00	100	. 1	• 0	2,71	46	2.08	. 30
						yddiadad <sub>y y</sub> ac dae	** ***	2./3
11880,0	.00	100	1,4	. 1	2.65	49	2.08	. 30
11881.0	.00	100	1.7	•7	2,65	38	2.07	.30
11882.0	.00	100	1.4	1.4	2.66	32	2.05	.30
11883,0	.00	100	.5	.5	2,69	46	2,04	.30
11935.0	,00	100	1.1	.0	2.67	40	2,03	.30
11936.0	.00	100	1.5	• 0	2.66	33	2.02	.30
11937.0	.00	100	1.6	.0	2,66	35	2.01	.30
11938.0	.00	100	.8	.0	2,68	46	1.99	.30
11967.0	.00	100	4.3	.7	2,65	40	1,98	.30
11968.0	.00	100	1.9	1.9	2,65	29	1.94	. 30
11969.0	,00	100	.7	.0	2.69	30	1.92	. 30
11970.0	.00	100	.4	.0	2.70	35	1.92	.30
11971.0	.00	100	. 5	.0	2.69	39	1.91	.30
11972.0	.00	100	1.7	.0	2,70	30	1.90	.30
11973.0	.00	100	2.8	. 0	2.69	23	1.88	.30
11974.0	.00	89	3.7	.0	2.68	23	1.85	.30
11975.0	.00	69	4.9	.0	2.67	20	1.81	.29
11976.0	.01	64	5.4	.0	2.65	20	1.76	.27
11977.0	.01	65	5.3	. 3	2.65	20	1.70	.25
11978.0	.00	69	4,6	.1	2.65	22	1.65	.23
11979.0	.01	69	5.4	. 3	2.65	20	1.61	.22
11980.0	.00	100	4,6	. 8	2,65	25	1.55	.21
11981.0	.00	100	2.4	.0	2,65	39	1.51	.21
11992.0	.00	100	2.6	, 0	2,65	39	1.47	.21
11993.0		100	1.6	.3	2,66	30	1.45	,21
11994.0	.00	100	1.5	. 9	2.66	36	1.43	.21
11995.0		100	1.5	.0	2,65	44	1.42	.21
11996.0	.00	100	4.7	.0	2.71	30	1.40	.21
11997.0		100	3.6	.0	2.69	35	1.35	.21
11998.0	.00	100	3.7	.0	2.69	33	1.32	.21
11999.0		100	1.3	1.3	2.67	47	1.28	.21
12000.0	.00	100	. 2	.0	2.70	42	1.27	.21
12001.0	.00	100	.0	.0	2.72	46	1.27	.21
12002.0	.00	100	1.5	.0	2.65	48	1.27	.21
12003.0	.00	100	2.4	2.0	2,65	44	1,25	.21
12011.0	.00	100	,5	,5	2,69	•7	1.23	,21
12025.0	.00	100	2.9	1.8	2,65	47	1,23	.21
12026.0	.00	100	. 8	.0	2,68	43	1.21	.21
12029.0	.00	100	• 7	•0	2.69	39	1.20	.21
1. 大學的知识的數字的社會所發行。由	all the fact that Departs are 1980 to 19	文字 化氯化氯化氯化氯化二氯化氯化					2. 化原环点键 - 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	The Company of the Company

DEPTH	PERM.TE	WATER SAT.	POROS TUTAL	and the state of t	MATRIX DENSITY	SHALE VOLUME	CUMULAT INTEGRA	
FEET	(INDEX)	*	101AD	SEC.	GM/CC	**************************************	PUR-FT	HC-FT
r en 1	(IDDEA)			<b>78</b>	OHACC		run-rı	114,-11
12030.0	.00	100	.7	. 0	2.69	34	1.19	,21
12031.0	.00	100	.9	.9	2.68	36	1.18	.21
12032.0	.00	100	. 9	.0	2.68	40	1.17	,21
12033.0	.00	100	.9	.7	2.67	<b>41</b>	1.16	.21
12050.0	.00	100	1.0	.0	2.75	47	1,16	.21
12051.0	.00	100	. 8	. 8	2.69	44	1.15	,21
12052.0	iŏŏ	100	.,	i.o	2.69	36	1.14	,21
12053.0	.00	100	. 4			41	1.14	.21
SAN WARRED SANT CO.				.0	2.70	46		
12054.0	.00	100	.2	• 0	2.70		1.13	.21
12055.0	.00	100	• 0	• 0	2.71	45	1,13	.21
12056.0	.00	100	. 8	.0	2,68	42	1.13	.21
12057.0	,00	100	1.4	• 2	2.66	42	1.12	.21
12058.0	.00	100	1.0	.0	2,67	48	1.11	.21
12061.0	.00	60	3.6	.4	2,65	45	1.10	.21
12062.0	.01	51	5.2	. 1	2.65	36	1.06	.19
12063.0	.01	52	5.3	.0	2.65	34	1.01	.16
12064.0	.00	58	4.6	.0	2.65	36	.96	.14
12065.0	.00	55	5.2	.0	2,65	32	.91	.12
12066.0	.01	50	5.6	.5	2,65	27	.86	.10
12067.0	. ōi	56	5.8	2.9	2,65	24	.80	.07
12068.0	.01	97	5.8	4.0	2.65	24	.74	
12069.0	.00	100		a de la Propuesta de la co	2014 - 2016 - 114	46	and the second s	.05
15003.0	erika da 🐞 🗸 🗸	100	3.1	•1	2,65		.69	,05
12079.0	.00	100	3.5	.0	2.72	44	.68	.05
12080.0	.00	100	3.5	.0	2.72	37	.64	.05
12081.0	.00	100	2.1	.1	2.71	47	.61	.05
			***************************************					
12089.0	.00	100	.7	.3	2,68	46	.59	.05
12091.0	.01	100	5.6	.0	2,65	49	,59	.05
12104.0	.01	100	5.7	.2	2.76	47	.56	.05
12105.0	.00	100	4.5	1.6	2,73	20	.50	.05
12106.0	.00	100	1.1	.0	2.69	22	.46	.05
12107.0	.00	100	. 9	.0	2.68	28	.45	.05
12108.0	.00	100	1.3	ž	2.67	36	.44	.05
12109.0	.00	100	1.1	, 3	2,66	48	.43	.05
		4.4.4						1
12134.0	.00	100	.5	.5	2.69	48	.43	.05
12135.0	.00	100	.4	.3	2,69	47	.42	.05
12150.0	.00	100	1.0	.0	2.67	40	.41	.05
12151.0	.00	100	2.8	. 0	2.68	34	.40	.05
12152.0	.00	100	3.4	.0	2.66	34	.37	.05
12153.0	.00	79	5.0	.0	2.66	24	.33	.04
12154.0	.01	68	6.0	.0	2.70	Īi	.28	.03

etrelikovik 🖈 iku kara

		CONTRACTOR OF STREET	CAMAL	SHALE	MATRIX		POROS	WATER	PERM.TO	DEPTH
		and a second contract of	INTEG	AOLUME	DENSITY	SEC.	TUTAL	SAT.	OIL-GAS	
	HC-FT	FT	POR-FT	*	GM/CC	*	*		(INDEX)	FEET
						<b>.</b>	· · · · · · · · · · · · · · · · · · ·			
	.01		.22	12	2,69	. 0	5,5	68	.01	12155.0
	.00		.17	27	2.65	.0	2.8	100	.00	12156.0
	.00		.14	3 3	2,65	.0	1.9	100	.00	12157.0
	.00	2	.12	45	2,66	.8	1.2	100	.00	12158.0
	.00	0	.10	34	2.71	.0	2.0	100	án	19166 A
	.00		.08	30	2.69	.0	1.1	100	.00	12168.0
	.00		.08	30	4-2.69	Ö			.00	12169.0
	.00		.06	27			.9	100	.00	12170.0
	.00		.04	25	2.67	• 0	2.0	100	.00	12171.0
A Part of the Commence of the					2.65	.8	2.8	100	.00	12172.0
	.00		.02	31	2.67	.0	1.2	100	.00	12173.0
	.00		.01	44	2.72	.0	.0	100	.00	12174.0
	.00	1	.01	49	2,68	.0	. 6	100	.00	12192.0
	•00	1	.01	42	2.70	.0	3	100	.00	12193.0
	.00		.00	47	2.72	.0	.0	100	.00	12194.0
	.00	0	.00	48	2.70	.0		100	.00	12197.0
	.00		.00	41	2.71	. 0	. 0	100	.00	12198.0
	.00		.00	40	2.72	, o	.ŏ	100	ioo	12199.0
	.00		.00	41	2.70	.0	.2	100		
	.00		.00	44	and the contract of the contra	and the state of t	The second section of the second		.00	12200.0
	.00				2.71	•0.	.0	100	.00	12201.0
		U	.00	48	2.71	.0	• 1	100	.00	12202,0



SERVICE LABORATORY: Odessa, Texas Phone (915) 337-2356 & 563-1162 RESEARCH LABORATORY: Houston, Texas Phone (713) 431-2561 PLANT: Odessa, Texas Phone (915) 362-2353 & 563-0863



REPORT FOR GLYTEN ME	/#00	DATE SAMPLED APPIL 29, 1976
65 E9 #ma	rnest	DATE REPORTED APPLL 30. 1976
		FIELD, LEASE, OR WELL Christman Bland 1-31 8 4
CC		Maria de la companione
cc Cory L. H		COUNTY Street Action
COMPANY HUNKY DILL		FORMATION
ADDRESS P. O. SOM	580; Cody, Wysming 8241	
SERVICE ENGINEER	y L. Hays	SUBMITTED BY CARY L. HEYS
	CHEMICAL ANA	LYSIS (AS PARTS PER MILLION)
		Field, Lease, or Well
Ch	CMAISTMAN	
Chemical	CHAZE	
Component	1-31 8 4	
Chloride (CI)	3,800.00	
Iron (Fe)	3,23	
Total Hardness (Ca CO <sub>3</sub> )	1,400,00	
Calcium (Ca)	320,00	
Magnesium (Mg)	156.00	
Bicarbonate (HCO <sub>3</sub> )	1,220,00	
Carbonate (CO <sub>3</sub> )	108,00	
Sulfate (SO <sub>4</sub> )	150.00	
Hydrogen Sulfide (H <sub>2</sub> S)	NOME	
Specific Gravity	1.002	
Density, lb./gal.		
pH - Beckman ( Strip [ ]	7.0	
Dissolved Solids	1,500,00	
Sodium	2,406.00	
	·	

#### OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

#### STABILITY INDEX

122° F. +1.76 140° F. +2.06 156° F. +2.28 176° F. +2.58

REPORTED BY TITLE\_\_\_\_\_

REPAIR WELL

(Other)

OGCC-1b. STATE OF UTAH SUBMIT IN TRIPLICAT						
		(Other instructions on verse side)	Te- 5. LEAS	5. LEASE DESIGNATION AND SERIAL NO.		
OIL & GAS CONSERVATION COMMISSION		ION	16	3.319.00	)2	
SUNDRY NOT	6. IF IN	6. IF INDIAN, ALLOTTER OR TRIBE NAME				
OIL X GAS OTHER			7. UNIT	AGREEMENT NA	MB	
2. NAME OF OPERATOR			8. FARN	OR LEASE NAM	E	
HUSKY OIL COMPANY			Chi	Christman-Bland		
3. ADDRESS OF OPERATOR			9. WELI	NO.		
6060 S. Willow Dri	ve, Englewood, Colo	orado 80111	#1-	-31		
4. LOCATION OF WELL (Report location of See also space 17 below.) At surface	early and in accordance with an	y State requirements.*	A1t	tamont		
1257' FNL & 1552'	FEL, NW14 NE14			ction 31,		
14. PERMIT NO.	15. BLEVATIONS (Show whether to	OF, RT, GR, etc.)	12. COU	INTY OR PARISH	18. STATE	
43-013-30198	6091' GR		Duc	chesne	Utah	
16. Check Ap	propriate Box To Indicate I	Nature of Notice, Report, or	Other Do	ıta		
NOTICE OF INTEN	TION TO:	SUBS	EQUENT REPO	RT OF:		
FRACTURE TREAT	ULL OR ALTER CASING ULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING	XX	REPAIRING W ALTERING CA ABANDONMEN	ASING	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Wasatch Perfs: 10,409-11,545!

CHANGE PLANS

Acidized w/5000 gal 15% HCl + 220 gal Visco 4987 scale chem.

Well is still producing only water. Put well on production 7/2/83.

18. I hereby certify that the torstood is true and correct SIGNED	Vera Chandler 303/850-1462  TITLE ASSOCIATE Environmental Analysta	July 25, 1983
(This space for Federal or State office use)		
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE DATE _	

# SUBMIA AN TRIPLICATES (Other instructions on reverse side)

#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING				5. LEASE DESIGNATION AND SERIAL NO. 163.319.002		
	SUNDRY NOTICES AND R Do not use this form for proposals to drill or to de Use "APPLICATION FOR PERMIT			6. IF INDIAN, ALLOTT	EN OR TRIBE NAME	
1.	OIL X WELL OTHER			7. UNIT AGREEMENT P	IAMB	
2.	NAME OF OPERATOR	n: Ve	era Chandler	8. FARM OR LEASE NA Christman-		
3.	ADDRESS OF OPERATOR 6060 S. Willow Drive, Englewood	od, Co	olorado 80111	9. WELL NO. #1-31		
4.	LOCATION OF WELL (Report location clearly and in accord See also space 17 below.) At surface	ance with	n any State requirements.*	10. FIBLD AND FOOL, Altamont	OR WILDCAT	
	1257' FNL & 1552' FEL, NW⅓ NE	l 4		11. SEC., T., R., M., OR SUBVET OR ARE Section 31	T2S, R4W	
14.			her DF, RT, GR, etc.)	12. COUNTY OR PARIS	1	
_	43-013-30198   6091' G	R		Duchesne	Utah	
16.	Check Appropriate Box To	Indica	ite Nature of Notice, Report, o			
	NOTICE OF INTENTION TO:		AUBA	SEQUENT ASPORT OF:		
	TEST WATER SHUT-OFF  FRACTURE TREAT  SHOOT OR ACIDIZE  REPAIR WELL  CHANGE PLANS	16	WATER SHUT-OFF  FRACTURE TREATMENT  SHOUTING OR ACIDIZING  (Other) Productio  (NOTE: Report resu	ABANDONMI  after Workover  alts of multiple completion  mpletion Report and Log for	CASING ENT*	
17.	Other)  DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statements)  proposed work. If well is directionally drilled, give s	te all per	rinent dutulis and sive portinent day	tex including estimated do	te of starting any	
	Production before workover:  Production on 9/7/83: 45 B		BOPD.			
18	. I hereby certify that the topstoing is true and correct  BIGNED Machine	TITLE	Vera Chandler 303/850 Associate Environmenta	)-1462 al Anal <b>ys‡</b> 9	/12/83	
=	(This space for Federal or State office use)	· · · · · · · · · · · · · · · · · · ·				
	APPROVED BY	TITLE		DATE		

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

SUBMIT RIPLICATE\*
(Other..., actions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deeped or pits back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)  7. UNIT ADMINISTRATIVE AND THE NAME OF OFFICE AND THE PROPERTY AND THE PRO		D14101014 01 0.12, 0.12, 1.112		
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DOCATION OF WELL, (Report location clearly and in accordance with any State requirements.*  DOCATION OF WELL, (Report location clearly and in accordance with any State requirements.*  At surface  Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data  NOTICE OF INTERNITON NO:  TEST WATER SHUT-OFF  PULL OR ALTER CASING  NABOUTING ON ACCIDITING  ARABOON*  REPAIRING WELL  ARABOON*  REPAIRING WELL  ARABOON*  (Other)  COMPATION OR CONTINUE COMPLETE  REPAIRING WELL  ARABOON*  REPAIRING WELL  (Other)  (Other		• :		and the second of the second o
DOCATION OF WELL, (Report location clearly and in accordance with any state requirements.  At surface at 1 below.)  11. SEC. T. B. W., OR BLE, AND SUPERITOR TO:  THESE WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF REPORT FROM SHUTHER COMPLETE SHOOTING OR ACCOUNTS THEAT WELL SHOOTING OR COMPLETED DEPARTMENT (Other).  TORSELED PRINCIPLE OR SUPERITOR SECOND SHOOTING (Cloudy state all pertinent details, and give pertinent details depths for all markers and somes per sent to this work.)*  Lineary different that the foregoing is true and correct Vico Prosident — Land SIGNED — A RYSELOM TITLE WELL SHOOTING OR THE WELL.  (This space for Prosident or State office we)  TITLE DATE.	ADDRESS OF OPERATOR	<u> </u>		9. WELL NO.
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(Other)  (Note: Report results of multiple completion on Well (Completion or Completion or Completio			(Other)	
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Income energy is now, therefore, the Operator of this well.  18. I bereby certify that the foregoing is true and correct  SIGNED TITLE Vice President - Land  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	g sakara sakara		and the second of the second o	and the street the second control of the second
8. I hereby certify that the foregoing is true and correct  SIGNED C. A. Rystrom  (This space for Federal or State office use)  APPROVED BY  TITLE  DATE				
18. I hereby certify that the foregoing is true and correct  SIGNED	Lindar En <b>er</b> g	y is now, therefore.	the Operator of to	nis well.
SIGNED C. A. Rystrom  (This space for Federal or State office use)  APPROVED BY				<b>3</b> .
18. I hereby certify that the foregoing is true and correct  SIGNED				:
18. I hereby certify that the foregoing is true and correct  SIGNED				-
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Vice President - Land  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			•	
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Vice President - Land  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
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APPROVED BY DATE	SIGNED C. A. Rys	TITLE 2	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	DATE
AFFROVED DI	(This space for Federal or	r State office use)		
	APPROVED BY			DATE

# S.ATE OF UTAH

SUBMI TRIPLICATE\*

(Other extructions on reverse side)

DEPARTMENT OF NATUR		5. LEASE DESIGNATION AND SERIAL NO.
DIVISION OF OIL, GAS	, AND MINING	163-319-002
SUNDRY NOTICES AND RE (Do not use this form for proposals to drill or to dee Use "APPLICATION FOR PERMIT-	PORTS ON WELLS  pen or plug back to a different reservoir.  " for such proposals.)	6. IF INDIAN, ALLOTTER OR TRIBE NAME
OIL WELL OTHER		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR		8. FARM OR LEASE NAME
3. ADDRESS OF OPERATORY	Denuer. 6 80237	9. WELL NO.
7979 E. Toffs Proc Proc #604  4. LOCATION OF WELL (Report location clearly and in accordance land surface also space 17 below.)  At surface	nce with any State requirements.	Altemont
Sec. 31 TAS R4W NWI	RE	11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA
14. PERMIT NO. 15. BLEVATIONS (Sh. 43-013-098	ow whether DF, RT, GR, etc.)	Duchesne UT
	Indicate Nature of Notice, Report, or	Other Data
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TEST WATER SMUT-OFF PULL OR ALTER CASIN FRACTURE TREAT MULTIPLE COMPLETE SMOOT OR ACIDIZE ABANDON®	PRACTURE TREATMENT SHOUTING OR ACIDIZING	ALTERING CABING ABANDONMENT*
REPAIR WELL CHANGE PLANS (Other)	(Note: Report resul	ts of multiple completion on Well pletion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state proposed work. If well is directionally drilled, give at nent to this work.) *	te all pertinent details, and give pertinent date ubsurface locations and measured and true vert	including settmented date of starting ARV
Husky sold interest to	above 1/1/84	RECEIVED
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		DIVISION OF OIL GAS & MINING
		•
	,	
18. I hereby certify that the foregoing is true and correct	TITLE PROD. Pret. Supervise	OR DATE BUISH
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

# LINMAR PETROLEUM COMPANY 7579 East Tufts Avenue Parkway, Suite 604 Denver, Colorado 80237 (303) 773-8003

111202

November 6, 1987

State of Utah Division of Oil, Gas and Mining 3 Triad Center, Suite 350 355 West North Temple Salt Lake City, Utah 84180-1203

ATTN: Tami Searing

Re: Change of Operator

14503

Dear Ms. Searing:

Enclosed is a Sundry Notice, in triplicate, evidencing Change of Operator effective November 1, 1987, from Linmar Energy Corporation to Linmar Petroleum Company covering the wells listed on the Exhibit "A" attached thereto. Such listing of wells should cover all the wells in which you currently show Linmar Energy Corporation as Operator.

If you have any questions whatsoever or if you need any additional information, please do not hesitate to call me collect at (303) 773-8003.

Thank you so very much for all of your assistance and cooperation in this matter.

Very truly yours,

LINMAR PETROLEUM COMPANY

Susan L. Foster Land Consultant

Swart Febru

SLF:jgm

Enclosures

cc: Ed Whicker, Field Superintendent, Linmar Petroleum Company

NOV 9 1987

# ST . OF UTAH DEPARTMENT OF NATURAL RESOURCES



	SION OF OIL, GAS, AND M		5. LEASE DESIGNATION AND SERIAL NO.
SUNDRY NO	DTICES AND REPORTS  Proceeds to drill or to deepen or plug  Procedure for PERMIT—" for such	ON WELLS back to a different reservoir. proposals.)	6. IF INDIAN, ALLOTTES OF TRISE NAME
1.			7. UNIT AGREEMBNT NAME
WELL WELL OTHER  2. NAME OF OPERATOR			8. FARM OR LEASE NAME
See Below		NOV 9 1937	
3. ADDRESS OF OPERATOR			9. WELL NO. See Exhibit "A"
See Below			Attached Hereto
LOCATION OF WELL (Report location	n clearly and in accordance with an	y State requirements.*	10. FIELD AND FOOL, OR WILDCAT
See also space 17 below.) At surface			
•			11. SEC., T., R., M., OR SLK. IND SURYRY OR AREA See Exhibit "A"
			Attached Hereto
14. PERMIT NO.	15. ELEVATIONS (Show whether i	DF, RT, GR, etc.)	12. COUNTY OR PARIEH 18. STATE
			Duchesne & Utah Utah
16. Charle	. D T 1 !: .	NI. (NI.) D	
Check	Appropriate Box To Indicate	Nature of Notice, Keport, or	Officer Data
NOTICE OF IN	INTION TO:	SUBS	QUANT REPORT OF:
TIST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	RETAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOUTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other)	
(Other)	Change of OperatorX	(Norz: Report resultion of Recon	its of multiple completion on Well hopeing
		OF OPERATOR November 1, 1987)	
FROM:	•		
TROIT.			
Address: 79	nmar Energy Corporation 179 East Tufts Avenue F 1803) 773-8003		enver, Colorado 80237
TO:	•		
10.			
Address: 79	nmar Petroleum Company 179 East Tufts Avenue E 103) 773-8003	• • • • •	enver, Colorado 80237
	and the second s		
18. I hereby certify that the foregoing LINMAR ENERCY SIGNED BY:	CORPORATION  TITLE	Vice President	DATE November 6, 198
(This space for Federal or State	office use)		
/			
APPROVED BY	TITLE		DATE

#### EXHIBIT "A"

Attached to and made a part of that certain Sundry Notice covering Change of Operator from Linmar Energy Corporation to Linmar Petroleum Company

WELL NAME	SECTION, TOWNSHIP AND RANGE
Carmen 1-7B5 43-013-30195	Section 7, Township 2 South, Range 5 West
Priest 2-7B5 43-013-31001	Section 7, Township 2 South, Range 5 West
Sorenson 1-8B5 43-013-30270	Section 8, Township 2 South, Range 5 West
Miltz 2-8B5 43-013-30906	Section 8, Township 2 South, Range 5 West
Brotherson 1-25B4 43-013-30668	Section 25, Township 2 South, Range 4 West
Brotherson 1-27B4 43-013-30185	Section 27, Township 2 South, Range 4 West
Wimmer 2-27B4 43-013-30941	Section 27, Township 2 South, Range 4 West
Christman-Blann 1-31B4 43-013-30198	Section 31, Township 2 South, Range 4 West
Lindsay Russell 1-32B4 43-013-30308	Section 32, Township 2 South, Range 4 West
Lindsay Russell 2-32B4 43-013-30371	Section 32, Township 2 South, Range 4 West
Griffith 1-33B4 43-013-30288	_Section 33, Township 2 South, Range 4 West
Belcher 2-33B4 43-013-30907	Section 33, Township 2 South, Range 4 West
Erwin 1-35B4 43-013-30216	_Section 35, Township 2 South, Range 4 West
Flanigan 2-14B5 43-013-30757	_Section 14, Township 2 South, Range 5 West
Brown 2-28B5 43-013-30718	Section 28, Township 2 South, Range 5 West
Wildlife Resources 1-33B5 43-013-32,49	Section 33, Township 2 South, Range 5 West
Rhoades Moon 1-35B5 43-013-30155	Section 35, Township 2 South, Range 5 West
Brotherson 2-35B5 43-013-30908	Section 35, Township 2 South, Range 5 West
Rhoades 1-36B5 43-613-36289	Section 36, Township 2 South, Range 5 West
Ute Tribal 2-14C6. 43-013-30775	Section 14, Township 3 South, Range 6 West
Ute Tribal 2-1706 43-013-31033	Section 17, Township 3 South, Range 6 West
Wildlife Resources 2-1906 43-013-31035	Section 19, Township 3 South, Range 6 West
Ute Fee 2-33C6 43-013-31123	Section 33, Township 3 South, Range 6 West
Ford 2-13C7 43-013-31082	Section 13, Township 3 South, Range 7 West

Form 3160-5 (Ju

representations as to any matter within its jurisdiction.

# UNI ) STATES

FORM APPROVED

udget Bureau No. 1004 = 0135

une 1990)	DEPARTMENT OF		Budget Bureau No. 1004-0135
	BUREAU OF LAND	MANAGEMENT	Expires: March 31, 1993  5. Lease Designation and Serial No.
		DEDORTO ON WELLO	
	SUNDRY NOTICES AND F		Fee
Do not use t		deepen or reentry to a different reservoir.	6. If Indian, Alottee or Tribe Name
	Use "APPLICATION FOR PE	HIMIT — for such proposals	Ute
			7. If Unit or CA, Agreement Designation
	SUBMIT IN TR	PIPLICATE	N/A
Type of Well			8. Well Name and No.
X Oil Well	Gas Well Other		See attached list.
Name of Operator			9. API Well No.
	oloum Company		See attached list.
. Address and Telephon	oleum Company		10. Field and Pool, Or Exploratory Area
•		CO 90227 (202) 772 9002	See attached list.
	ifts Ave. Parkway, Suite 604, Der	nver, CO 80237 (303) 773 – 8003	11. County or Parish, State
. Location of Well (Foots	age, Sec., T., R., M., Or Survey Description)		
			See attached list.
See attached	list of wells.		
CUE	ECV ADDDODDIATE DOV(S) TO	INDICATE NATURE OF NOTICE, REPOF	RT OR OTHER DATA
	PE OF SUBMISSION	TYPE OF AC	
		THEONAC	
X Notice of	Intent	Abandonment	Change of Plans
		Recompletion	New Construction
Subsequ	uent Report	Plugging Back	Non-Routine Fracturing
		Casing Repair	Water Shut-Off
Final Aba	andonment Notice	Altering Casing	Conversion to Injection
		X other Change of Operator	Dispose Water
			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
3. Describe Proposed	or Completed Operations (Clearly state all per	tinent details, and give pertinent dates, including estimated date	
drilled, give subsur	face locations and measured and tru vertical dep	oths for all markets and zones pertinent to this work.)*	
There will be	e a change of operator for all wel	Is specified on the attached list.	
There will be	, a change of operator for all wer	no specimen on the attached not	
OPERATO	R - FROM: Linmar Petroleum	Company	
	TO: Coastal Oil and G		
		1	
All operation	ns will be covered by Nationwide	Bond No. 11-40-66A and Bond No. U60	53821, as required by the State of
Utah.	,	the state of the s	Albania de la companya del companya de la companya del companya de la companya de
		to the second se	
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4 1h	facility in the sand on 121		
	he foregoing is true and correct	Vice President of	
Signed By:	1). In while	Title <u>Managing General Partn</u>	er <sup>Date</sup> 9/1/94
	1		
(This space for Fed	deral or State office use)		
APPROVED BY		Title	Date
Conditions of appr	oval, if any:		

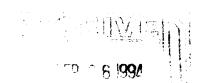
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, ficticious or fraudulent statements or

WELL NAME	API#	FOOTAGES	LOCATION	FIELD	COUNTY	LEASE DESIGNATION
Állred 2-16A3	43-013-30361		Section 16, T1S, R3W, U.S.M.	Altamont	Duchesne	Fee 96-00037
Barrett 1-34A5	43-013-30323	713' FNL & 1387' FEL	Section 34, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Birch 1-35A5	43-013-30233	757' FNL & 1024' FEL	Section 35, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Birch 2-35 <b>A</b> 5	43-013-30362		Section 35, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Brotherson 1-25B4	43-013-30668	778' FNL & 1627' FEL	Section 25, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
Brotherson 1-27B4	43-013-30185	1244' FNL & 1464' FEL	Section 27, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
Brotherson 2-35B5	43-013-30908	2432' FNL & 1648' FWL	Section 35, T2S, R5W, U.S.M.	Altamont	Duchesne	Fee
Brotherson 2-3B4	43-013-31008	1226' FSL & 1933' FWL	Section 3, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
√Chandler 2—5B4	43-013-31000	466' FSL & 1180' FWL	Section 5, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee NWTGO CAMA!
Christensen 2-26A5	43-013-30905	776' FSL & 1467' FWL	Section 26, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Christensen 2-8B3	43-013-30780	1880' FSL & 1694' FWL	Section 8, T2S, R3W, U.S.M.	Altamont	Duchesne	Fee
Christensen 3-4B4	43-013-31142	804' FSL & 1948' FEL	Section 4, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
Christman Blann 1-31B4	43-013-30198	1257' FNL & 1552' FEL	Section 31, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
D. Moon 1 -23Z1	43-047-31479		Section 23, T1N, R1W, U.S.M.	Bluebell	Uintah	Fee
Ellsworth 2-8B4	43-013-30898	1580' FSL & 1580' FWL	Section 8, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
∠Ellsworth 2—9B4	43-013-31138	2976' FNL & 2543' FWL	Section 9, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee 96-600045 (ANR)
Evans 1 – 31 A4	43-013-30067	1987' FNL & 1973' FEL	Section 31, T1S, R4W, U.S.M.	Altamont	Duchesne	Fee
Fisher 1-19A3	43-013-30535	1609' FNL & 1671' FEL	Section 19, T1S, R3W, U.S.M.	Altamont	Duchesne	Fee
Fisher 2-6A3	43-013-30984	404' FSL & 596' FEL	Section 6, T1S, R3W, U.S.M.	Altamont	Duchesne	Fee
Ford 2-36 <b>A</b> 5	43-013-30911	1113' FSL & 1659' FWL	Section 36, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Hansen 1-16B3	43-013-30617	2088' FSL & 1760' FWL	Section 16, T2S, R3W, U.S.M.	Altamont	Duchesne	Fee
Horrocks 1 — 3A1	43-013-30171	2502' FNL & 2141' FWL	Section 3, T1S, R1W, U.S.M.	Bluebell	Duchesne/Uintah	Fee
Jensen 1-31A5	43-013-30186	1380' FNL & 1244' FEL	Section 31, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Jensen 2-29A5	43-013-30974	1085' FSL & 1528' FWL	Section 29, T1S, R5W, U.S.M.	Altamont	Duchesne	Fee
Jessen 1-17A4	43-013-30173	1182' FNL & 1130' FEL	Section 17, T1S, R4W, U.S.M.	Altamont	Duchesne	Fee
∕Lindsay Russell 2-32B4	43-013-30371		Section 32, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee 96-000116
Linmar 1 – 1 9 B2	43-013-30600	2032' FNL & 2120' FWL	Section 19, T2S, R2W, U.S.M.	Altamont	Duchesne	Fee
Marshall 1-20A3	43-013-30193	565' FNL & 1821' FEL	Section 20, T1S, R3W, U.S.M.	Bluebell	Duchesne	Fee
Murray 3-2A2	43-013-30816	2211' FNL & 2257' FWL	Section 2, T1S, R2W, U.S.M.	Bluebell	Duchesne	Fee
Oman 2-4B4	43-013-30645	1536' FSL & 1849' FWL	Section 4, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee
Rhoades Moon 1-35B5	43-013-30155	870' FNL & 960' FEL	Section 35, T2S, R5W, U.S.M.	Altamont	Duchesne	Fee
Wimmer 2-27B4	43-013-30941	904' FNL & 886' FWL	Section 27, T2S, R4W, U.S.M.	Altamont	Duchesne	Fee

### TE OF UTAH DIVISION OF OIL, GAS AND MINING

BIVIOLOTO OIL, ONO MID WITH	1144	`
	<b>SEP</b> 2 6 1994	5. Lease Designation and Serial Number:
SUNDRY NOTICES AND REPORTS O	NWENT FOR BUILD	6 f Indian, Allottee or Tribe Name:
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for suc	. 55	7. Unit Agreement Name: See attached list.
Type of Well:     OIL X GAS OTHER:		8. Well Name and Number: See attached list.
2. Name of Operator:  Linmar Petroleum Company		9. API Well Number: See attached list.
<ol> <li>Address and Telephone Number:</li> <li>7979 East Tufts Ave. Parkway, Suite 604, Denver, CO 80237</li> </ol>	(303)773-8003	10. Field and Pool, or Wildcat: Altamont/Bluebell
4. Location of Well  Footages: See attached list.  QQ, Sec., T., R., M.:		county: See attached list.  State: Utah
11. CHECK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REP	ORT, OR OTHER DATA
NOTICE OF INTENT (Submit In Duplicate)		ENT REPORT ginal Form Only)
Abandonment	* Must be accompanied by a cement verification.	ation report.
DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and givertical depths for all markers and zones pertinent to this work.)  There was a change of operator on the date above for all well OPERATOR: — FROM: Linmar Petroleum Company TO: Coastal Oil & Gas Corporation All operations are covered by Nationwide Bond No. 11-40-	ls on the attahced list:	
Name & Signature: BY: L. M. ROHLEDER/ J. M. Kohle	V.P. OF MANAG	
(This space for State use only)	j.	

WELL NAME	API#	FOOTAGES	LOCATION	COUNTY	LEASE DESIGNATION	TRIBE NAME	CA #	BOND #
	7417	TOOTAGEO	EGGAHON	0001111	DESIGNATION	IAVIAIT	UA#	BOND #
Allred 1-16A3	43-013-30232	700' FNL & 1280' FEL	Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Allred 2-16A3	43-013- <del>3063</del> 1?	0361	Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Belcher 2-3384	43-013-30907	2348' FNL & 1085' FWL	Section 33, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000119	102102, 962270
Brown 2-28B5	43-013-30718	1777' FSL & 1413' FWL	Section 28, T2S, R5W, U.S.M.	Duchesne	Fee	Ute	96-000068	102102, 962270
Carl Smith 2 - 25A4	43-013-30776		Section 25, T1S,R4W, U.S.M.	Duchesne	Fee	Ute	96-000036	102102, 962270
Chasel 2-17A1	43-013-30732	1379' FSL & 1360' FWL	Section 17, T1S, R1W, U.S.M.	Duchesne	Fee	Ute	VR49184680C	102102, 962270
Chasel Hackford 2-10A1E	43-047-31421	1120' FSL & 1120' FEL	Section 10, T1S, R1E, U.S.M.	Uintah	Fee	Ute	UT08014986C693	102102, 962270
Chasel Miller 2-1A2	43-013-30360		Section 1, T1S, R2W, U.S.M.	Duchesne	Fee	Ute	UT08014987C685	102102, 962270
Clark 2-9A3	43-013-30876		Section 9, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000123	102102, 962270
Duncan 3-1A2	43-013-31135	1097' FSL & 702' FWL	Section 1, T1S, R2W, U.S.M.	Duchesne	Fee	Ute	UT08014987C685	102102, 962270
Dye 1 - 25Z2	43-013-30659	1520' FSL & 1520' FEL	Section 25, T1N, R2W, U.S.M.	Duchesne	Fee	Ute	UT08049P84C723	102102, 962270
Field sted 2 - 27A4	43-013-30915	1496' FSL & 1718' FEL	Section 27, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000108	102102, 962270
Fisher 1-16A4	43-013-30737	1527' FSL & 834' FEL	Section 16, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	VR49184672C	102102, 962270
Fisher 1-7A3	43-013-30131	1980' FNL & 2080' FEL	Section 7, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000058	102102, 962270
Goodrich 1-24A4	43-013-30760	1106' FNL & 1599' FEL	Section 24, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	VR49184703C	102102, 962270
Griffith 1-33B4	43-013-30288	1307' FNL & 1512' FEL	Section 33, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000119	102102, 962270
Horrocks 2 – 4A1	43-013-30954	1678' FNL & 1520' FEL	Section 4, T1S, R1W, U.S.M.	Duchesne	Fee	Ute	UT08014985C701	102102, 962270
Jacobson 2 – 12A4	43-013-30985	1104' FSL & 2417' FWL	Section 12, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	UT08014986C685	102102, 962270
Jenkins 3-16A3	43-013-30877	1085' FSL & 1905' FWL	Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Jensen 1-29Z1	43-013-30725	1331' FSL & 2424' FEL	Section 29, T1N, T1W, U.S.M.	Duchesne	Fee	Ute	VR49184681C	102102, 962270
Jessen 1-15A4	43-013-30817	2417' FNL & 1514' FEL	Section 15, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	VR49184692C	102102, 962270
LeBeau 1-34A1	43-013-30590		Section 34, T1S, R1W, U.S.M.	Duchesne/Uintah	Fee	Ute	VR49184694C	102102, 962270
Lindsay Russell 1 – 32B4	43-013-30308	1320' FNL & 1320' FEL	Section 32, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000116	102102, 962270
Lindsay Russell 2 – 32B4	43-013-30371		Section 32, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000116	102102, 962270
Morris 2-7A3	43-013-30977	2473' FSL & 580' FWL	Section 7, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000058	102102, 962270
Olsen 1 – 27 A 4	43-013-30064	1200' FNL & 1200' FEL	Section 27, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000108	102102, 962270
Oman 2-32A4	43-013-30904	754' FSL & 1140' FWL	Section 32, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	NW-613	102102, 962270
Powell 2-8A3	43-013-30979	661' FSL & 1114' FWL	Section 8, T1S,R3W, U.S.M.	Duchesne	Fee	Ute	NRM-715	102102, 962270
Rhoades Moon 1–36B5	43-013-30289		Section 36, T2S, R5W, U.S.M.	Duchesne	Fee	Ute	96-000113	102102, 962270
Timothy 1-9A3	43-013-30321	1491' FNL & 1646' FEL	Section 9, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000123	102102, 962270
Timothy 3-18A3	43-013-30940		Section 18, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000132	102102, 962270
Warren 1-32A4	43-013-30174	1799' FNL & 1104' FEL	Section 32, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	NW-613	102102, 962270
Wildlife Resources 1-33B5	43-013-30649	1804' FNL & 1603' FEL	Section 33, T2S,R5W, U.S.M.	Duchesne	Fee	Ute	UT08049184C726	102102, 962270
Wilkerson 1 - 20Z1	43-013-30942	1523' FSL & 1509' FEL	Section 20, T1N, R1W, U.S.M.	Duchesne	Fee	Ute	UT08014986C680	102102, 962270



#### E OF UTAH DIVISION OF OIL, GAS AND MINING

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100	U)	) <del></del>	()200-000-000-000-000-000-000-000-000-000	5 Lease Designation and Serial Number:
	1	SEP	26	6 If Indian, Allottee or Tribe Name:

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

dian, Allottee or Tribe Name:

SUNDRY NOTICES AND F	KEPORIS ON W
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and No. of the Control of the Contro Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugger

	USE APPLICATION FOR PERMIT TO DRILL ON DECFEN TOTAL TO	r such proposate.	- Doe attached list.		
1.	Type of Well: OIL X GAS OTHER:		8. Well Name and Number: See attached list.		
2.	Name of Operator:  Coastal Oil & Gas Corporation		9. API Well Number: See attached list.		
3.	Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749	(303) 573 – 4476	10. Field and Pool, or Wildcat: Altamont/Bluebell		
4.	Location of Well				
	Footages: See attached list.		county: See attached list.		
	QQ, Sec., T., R., M.:		State: Utah		
11.	CHECK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, RE	PORT, OR OTHER DATA		
	NOTICE OF INTENT	SUBSEQUENT REPORT			
	(Submit In Duplicate)	(Submit 0	Original Form Only)		
[	Abandonment New Construction	Abandonment *	New Construction		
	Casing Repair Pull or Alter Casing	Casing Repair	Pull or Alter Casing		
	Change of Plans Recompletion	Change of Plans	Shoot or Acidize		
	Conversion to Injection Shoot or Acidize	Conversion to Injection	Vent or Flare		
	Fracture Treat Vent or Flare	Fracture Treat	Water Shut-Off		

DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Date of work completion

Must be accompanied by a cement verification report.

There was a change of operator on the date above for all wells on the attahced list:

Water Shut-Off

OPERATOR: - FROM: Linmar Petroleum Company

TO: Coastal Oil & Gas Corporation

9/8/94

All operations are covered by Nationwide Bond No. 11-40-66A, Bond No. U6053821 and Nationwide Bond No.962270.

09/19/94

(This space for State use only)

Multiple Completion

Approximate date work will start

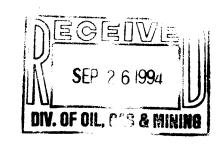
Change of operator.

Other

WELL NAME	API #	FOOTAGES	LOCATION	COUNTY	LEASE DESIGNATION	TRIBE NAME	CA #	BOND #
Alired 1 16A3	43-013-30232	700' FNL & 1280' FEL	Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Allred 2-16A3	43-013-30361		Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Barrett 1-34A5	43-013-30323	713' FNL & 1387' FEL	Section 34, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Belcher 2-33B4	43-013-30907	2348' FNL & 1085' FWL	Section 33, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000119	102102, 962270
Birch 1-35A5	43-013-30233	757' FNL & 1024' FEL	Section 35, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Birch 2-35A5	43-013-30362		Section 35, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Brotherson 1–25B4	43-013-30668	778' FNL & 1627' FEL	Section 25, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Brotherson 1-27B4	43-013-30185	1244' FNL & 1464' FEL	Section 27, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Brotherson 2-35B5	43-013-30908	2432' FNL & 1648' FWL	Section 35, T2S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Brotherson 2-3B4	43-013-31008	1226' FSL & 1933' FWL	Section 3, T2S, R4W, U.S.M.	Duchesne Duchesne	Fee	Ute Ute	96-000068	102102, 962270
Brown 2-28B5	43-013-30718 43-013-30776	1777' FSL& 1413' FWL	Section 28, T2S, R5W, U.S.M. Section 25, T1S,R4W, U.S.M.	Duchesne	Fee Fee	Ute	96-000036	102102, 962270 102102, 962270
Carl Smith 2-25A4 Chandler 2-5B4	43-013-31000	466' FSL & 1180' FWL	Section 5, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Chasel 2-17A1	43-013-31000	1379' FSL & 1360' FWL	Section 17, T1S, R1W, U.S.M.	Duchesne	Fee	Ute	N W 548 0 VR 491846800	102102, 962270
Chasel Hackford 2-10A1E	43-047-31421	1120' FSL & 1120' FEL	Section 10, T1S, R1E, U.S.M.	Uintah	Fee	Ute	UT08014986C693	102102, 962270
Chasel Miller 2-1A2	43-013-30360	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Section 1, T1S, R2W, U.S.M.	Duchesne	Fee	Ute	UT08014987C685	102102, 962270
Christensen 2-26A5	43-013-30905	776' FSL & 1467' FWL	Section 26, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Christensen 2-8B3	43-013-30780	1880' FSL & 1694' FWL	Section 8, T2S, R3W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Christensen 3-4B4	43-013-31142	804' FSL & 1948' FEL	Section 4, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Christman Blann 1-31B4	43-013-30198	1257' FNL & 1552' FEL	Section 31, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Clark 2-9A3	43-013-30876		Section 9, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000123	102102, 962270
Duncan 3-1A2	43-013-31135	1097' FSL& 702' FWL	Section 1, T1S, R2W, U.S.M.	Duchesne	Fee	Ute	UT08014987C685	102102, 962270
Dye 1-25 <b>Z2</b>	43-013-30659	1520' FSL & 1520' FEL	Section 25, T1N, R2W, U.S.M.	Duchesne	Fee	Ute	UT08049P84C723	102102, 962270
D. Moon 1-23Z1	43-047-31479		Section 23, T1N, RIW, U.S.M.	Uintah	Fee	Ute		102102, 962270
Elisworth 2-8B4	43-013-30898	1580' FSL & 1580' FWL	Section 8, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Ellsworth 2-9B4	43-013-31138	2976' FNL & 2543' FWL	Section 9, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	46-00045	102102, 962270
Evans 1-31A4	43-013-30067	1987' FNL & 1973' FEL	Section 31, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	00 000400	102102, 962270
Fieldsted 2-27A4	43-013-30915	1496' FSL & 1718' FEL	Section 27, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000108 VP401846730	102102, 962270
Fisher 1 – 16A4	43-013-30737	1527' FSL & 834' FEL 1609' FNL & 1671' FEL	Section 16, T1S, R4W, U.S.M. Section 19, T1S, R3W, U.S.M.	Duchesne Duchesne	Fee Fee	Ute Ute	VR49184672C	102102, 962270
Fisher 1—19A3 Fisher 1—7A3	43-013-30535 43-013-30131	1980' FNL & 2080' FEL	Section 7, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000058	102102, 962270 102102, 962270
Fisher 2-6A3	43-013-30984	404' FSL & 596' FEL	Section 6, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	30 000000	102102, 962270
Ford 2-36A5	43-013-30911	1113' FSL & 1659' FWL	Section 36, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Goodrich 1-24A4	43-013-30760	1106' FNL & 1599' FEL	Section 24, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	VR49184703C	102102, 962270
Griffith 1-33B4	43-013-30288	1307' FNL & 1512' FEL	Section 33, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000119	102102, 962270
Hansen 1-16B3	43-013-30617	2088' FSL & 1760' FWL	Section 16, T2S, R3W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Horrocks 1-3A1	43-013-30171	2502' FNL & 2141' FWL	Section 3, T1S, R1W, U.S.M.	Duchesne/Uintah	Fee	Ute		102102, 962270
Horrocks 2-4A1	43-013-30954	1678' FNL & 1520' FEL	Section 4, T1S, R1W, U.S.M.	Duchesne	Fee	Ute	UT08014985C701	102102, 962270
Jacobson 2-12A4	43-013-30985	1104' FSL & 2417' FWL	Section 12, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	UT08014986C685	102102, 962270
Jenkins 3—16A3	43-013-30877	1085' FSL & 1905' FWL	Section 16, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000087	102102, 962270
Jensen 1-29Z1	43-013-30725	1331' FSL & 2424' FEL	Section 29, T1N, T1W, U.S.M.	Duchesne	Fee	Ute	VR49184681C	102102, 962270
Jensen 1-31A5	43-013-30186	1380' FNL & 1244' FEL	Section 31, T1S, R5W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Jensen 2-29A5	43-013-30974	1085' FSL & 1528' FWL	Section 29, T1S, R5W, U.S.M.	Duchesne	Fee	Ute	VD 4040 40000	102102, 962270
Jessen 1-15A4	43-013-30817	2417' FNL & 1514' FEL	Section 15, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	VR49184692C	102102, 962270
Jessen 1—17A4	43-013-30173	1182' FNL & 1130' FEL	Section 17, T1S, R4W, U.S.M. Section 34, T1S, R1W, U.S.M.	Duchesne Duchesne/Uintah	Fee	Ute Ute	VR49184694C	102102, 962270 102102, 962270
LeBeau 1-34A1 Lindsay Russell 1-32B4	43-013-30590 43-013-30308	1320' FNL & 1320' FEL	Section 32, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000116	102102, 962270
Lindsay Russell 2-32B4	43-013-30300	1320 1 112 1020 1 22	Section 32, T2S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000116	102102, 962270
Linmar 1 – 19B2	43-013-30600	2032' FNL & 2120' FWL	Section 19, T2S, R2W, U.S.M.	Duchesne	Fee	Ute	00 0007.0	102102, 962270
Marshall 1-20A3	43-013-30193	565' FNL & 1821' FEL	Section 20, T1S, R3W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Morris 2-7A3	43-013-30977	2473' FSL & 580' FWL	Section 7, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	96-000058	102102, 962270
Murray 3-2A2	43-013-30816	2211' FNL & 2257' FWL	Section 2, T1S, R2W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Olsen 1-27A4	43-013-30064	1200' FNL & 1200' FEL	Section 27, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	96-000108	102102, 962270
Oman 2-32A4	43-013-30904	754' FSL & 1140' FWL	Section 32, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	NW-613	102102, 962270
Oman 2-4B4	43-013-30645	1536' FSL & 1849' FWL	Section 4, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270
Powell 2-8A3	43-013-30979	661' FSL & 1114' FWL	Section 8, T1S,R3W, U.S.M.	Duchesne	Fee	Ute	NRM-715	102102, 962270
Rhodes Moon 1-35B5	43-013-30155	870' FNL & 960' FEL	Section 35, T2S, R5W, U.S.M.	Duchesne	Fee			
Rhoades Moon 1-36B5	43-013-30289		Section 36, T2S, R5W, U.S.M.	Duchesne	Fee	Ute	96-000113	102102, 962270
Timothy 1-9A3	43-013-30321	1491' FNL & 1646' FEL	Section 9, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000123	102102, 962270
Ti.nothy 3-18A3	43-013-30940		Section 18, T1S, R3W, U.S.M.	Duchesne	Fee	Ute	9C-000132	102102, 962270
Warren 1-32A4	43-013-30174	1799' FNL & 1104' FEL	Section 32, T1S, R4W, U.S.M.	Duchesne	Fee	Ute	NW-613	102102, 962270
Wildlife Resources 1-33B5	43-013-30649	1804' FNL & 1603' FEL	Section 33, T2S,R5W, U.S.M.	Duchesne	Fee	Ute	UT08049184C726	102102, 962270
Wilkerson 1-20Z1	43-013-30942	1523' FSL & 1509' FEL	Section 20, T1N, R1W, U.S.M.	Duchesne	Fee	Ute	UT08014986C680	102102, 962270
Wimmer 2-27B4	43-013-30941	904' FNL & 886' FWL	Section 27, T2S, R4W, U.S.M.	Duchesne	Fee	Ute		102102, 962270

WELL NAME	API #	FOOTAGES	LOCATION	COUNTY	LEASE DESIGNATION	TRIBE NAME	CA #	BOND #
State 1 – 19A4 State 1 – 8A3 Wainoco State 1 – 14B1	43-013-30322 43-013-30286 43-047-30818	985' FNL & 853' FEL 1545' FNL & 1489' FEL	Section 19, T1S, R4W, U.S.M. Section 8, T1S,R3W, U.S.M. Section 14, T2S, R1W, U.S.M.	Duchesne Duchesne Duchesne/Uintah	ML – 27912 ML – 24316 ML – 2402	Ute Ute Ute	NRM 715	102102, 962270 102102, 962270 102102, 962270





September 21, 1994

State of Utah Division of Oil Gas, and Mining 3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203

ATTN: Leesha Cordoba

#### Leesha:

I have mailed off the revised list of all the FEE wells to you, as well as the State wells.

The signed copies of the UIC Form 5's were mailed to the State approximately 9/12/94. Copies of the sundries sent to the BLM for all the Indian wells were mailed to the State also on 9/19/94.

I will address the Linmar FEE and CA wells ASAP, and will talk to our land people on 9/19 to determine the disposition of those wells temporarily abandoned.

Thanks again for you much appreciated help.

Sincerely,

Bonnie Johnston

Environmental Coordinator

(303) 573 - 4476

#### DATE: 05/06/94 WELLS BY OPERATOR

COMPANY NAME FLD FIELD NAME TOWN RANGE SEC OTR API PROD WELL ENTITY WELL NAME ACCT NUM SHIP QTR NUMBER ZONE STATUS NUM N9500 MOUNTAIN STATES PETRO CORP 305 BOUNDARY BUTTE \$430 E220 22 SWSE 4303730805 PRDX SGW 10995 ENGLISH #37 N9510 RIO BRAVO OIL COMPANY 65 BLUEBELL SO10 W010 24 SENE 4304731434 LA 99998 ROOSEVELT UNIT 24-1
SO10 E010 19 NWNE 4304731443 LA 99998 ROOSEVELT UNIT 19-1
SO10 E010 20 SENE 4304731451 LAN 99998 ROOSEVELT UNIT #20-1
N9515 MCCONNELL, B L OPERATING 205 GREATER CISCO S200 E210 10 NWNE 4301930391 DKTA PA 9222 CALF CANYON FEDERAL #6
N9520 LINMAR ENERGY CORPORATION 55 ALTAMONT S010 W030 16 NENE 4301330361 UNITA WDW 99996 ALRED WDW 2-16 FEE N9515 MCCONNELL, B L OPERATING N9520 LINMAR ENERGY CORPORATION 65 BLUEBELL SOLO WOOD 16 NENE 4301330391 DKTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 4301330310 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 43013303961 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 4301330861 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 4301330820 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 4301330820 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 4301330820 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 4301330820 URTA WOW 99996 ALRED WDW 2-10 FEE NEW 4301330820 URTA WDW 99998 HODES 1-19Z1 URTA WOW 99996 HODES 1-19Z1 URTA WOW 99996 HODES 1-19Z1 URTA WOW 99998 URTA HOUSE 1-10A4 FEE NEW 4301330810 URTA WDW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 URTA WOW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 URTA WDW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 URTA WDW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 URTA WDW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 URTA WDW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 URTA WDW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 URTA WDW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 URTA WDW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 URTA WDW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 URTA WDW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 URTA WDW 99998 URTA HOUSE 1-10A4 FEE NEW 430133081 U | SO10 WO40 | 31 | SWNE | 4301330067 | GR-WS | SOW | SON | SO10 WO30 20 NWNE 4301330193 GR-WS POW 9340 L R MARSHALL 1-20A3PEE 9120 NWNE 4301330195 GR-WS PA 9128 CARMEN 1-7B5 9128 SO10 WO30 8 SWNE 4301330270 GR-WS PA

SO10 WO30 8 SWNE 4301330286 GR-WS SOW
SO20 WO40 33 NWNE 4301330288 GR-WS POW
SO20 WO50 36 NENE 4301330289 GR-WS POW
SO10 WO40 30 NENE 4301330300 GR-WS TA PA
SO20 WO40 32 C-NE 4301330308 GR-WS SOW
SO10 WO30 9 SWNE 4301330321 GR-WS TA
SO20 WO40 32 C-NE 43013303021 GR-WS TA
SO30 WO40 32 C-NE 43013303021 GR-WS TA
SO30 WO30 9 SWNE 4301330321 GR-WS TA
SO30 WO30 9 SWNE 4301330288 GR-WS SOW
SO30 WO30 9 SWNE 4301330321 GR-WS TA
SO30 WO30 9 SWNE 43013303032 GR-WS TA
SO30 WO30 9 SWNE 4301330303 GR-WS TA
SO30 WO30 9 SWNE 430133030 GR-WS TA
SO30 WO30 WO30 PR WS TA
SO30 WO30 PR WS T

PAGE:

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Division of Oil, GOPERATOR CHANG				Routing
	tation received by the divis d item when completed. Writ			2-LWE 8-SJ 3-DTS 9-FIL 4-VLC
	erator (well sold) of Operator	□ Designation o □ Operator Name		5-RJF 6-LWP
The operator of	f the well(s) listed be	low has changed (EFF	ECTIVE DATE:9-8	3–94)
	Or) COASTAL OIL & GAS COASTAL		(address) <b>7979 F</b>	R PETROLEUM COMPANY E TUFTS AVE PKWY 604 CO 80237
	phone <u>( <b>303</b> ) <b>572–112</b> account no. <u>N <b>0230</b></u></u>	21	•	(303 )773-8003 nt no. <u>N</u> 9523
Hell(s) (attach a	additional page if needed):			
Name: Name:	TACHED**  API:	Entity: Entity: Entity:	SecIWPRng SecTWPRng SecTWPRng	Lease Type:
operator	DOCUMENTATION  515-8-10) Sundry or or (Attach to this form).  15-8-10) Sundry or other to this form).	(Redd 9-12-94)		
NA 3. The Depa operating	rtment of Commerce has g any wells in Utah. w company file number:	been contacted if the Is company register	he new operator abo	ove is not currently
comments	<b>lian and Federal Hells</b> Telephone Documentatio section of this form. should take place prior	on form to this re Management review	port). Make note of Federal and I	of BLM status in Indian well operator
5. Changes I listed at	have been entered in th	ne Oil and Gas Inform	mation System (Wang	g/IBM) for each wel
Zwf 6. Cardex fi	ile has been updated fo	r each well listed a	bove. 12-14-94	
Jyp7. Well file	e labels have been upda	ted for each well li	sted above./0_/4	614/
for distr	have been included on the state Lands	the monthly "Operato and the Tax Commiss	or, Address, and Ad	count Changes" memo
Le 9. A folder placed th	has been set up for the nere for reference durin	ne Operator Change f ng routing and proce	ile, and a copy of ssing of the origin	this page has beer nal documents

OPERATO	R CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.
ENTITY	REVIEW
<u>Lec</u> 1.	(Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/ho) (If entity assignments were changed, attach <u>copies</u> of Form 6, Entity Action Form).
N/A 2.	State Lands and the Tax Commission have been notified through normal procedures of entity changes.
BOND V	ERIFICATION (Fee wells only) # 25,000 Surely "Trust feed admin." (lord Incr. in Progress)
2.	(Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #80,000 Surety "United Paritie Ins. 60"  A copy of this form has been placed in the new and former operators' bond files.
<u>kec</u> 3.	The former operator has requested a release of liability from their bond (yes no) Today's date $\frac{\sum_{p} 1.73}{19}$ 19 $\frac{94}{9}$ . If yes, division response was made by letter dated 19
LEASE :	INTEREST OHNER NOTIFICATION RESPONSIBILITY
<u> </u>	(Rule R615-2-10) The former operator/lessee of any <b>fee lease</b> well listed above has been notified by letter dated
<u> </u>	Copies of documents have been sent to State Lands for changes involving <b>State leases</b> .
FILMIN	G
1.	All attachments to this form have been microfilmed. Date: $10.20$ $1994$ .
FILING	
1.	Copies of all attachments to this form have been filed in each well file.
2.	The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file.
COMMENT	
94100	13 Ed/Trust Land admin. (bond Incr. in Progress)
# In	dien Lease wells & wells involved in C.A. 5 "separate change".

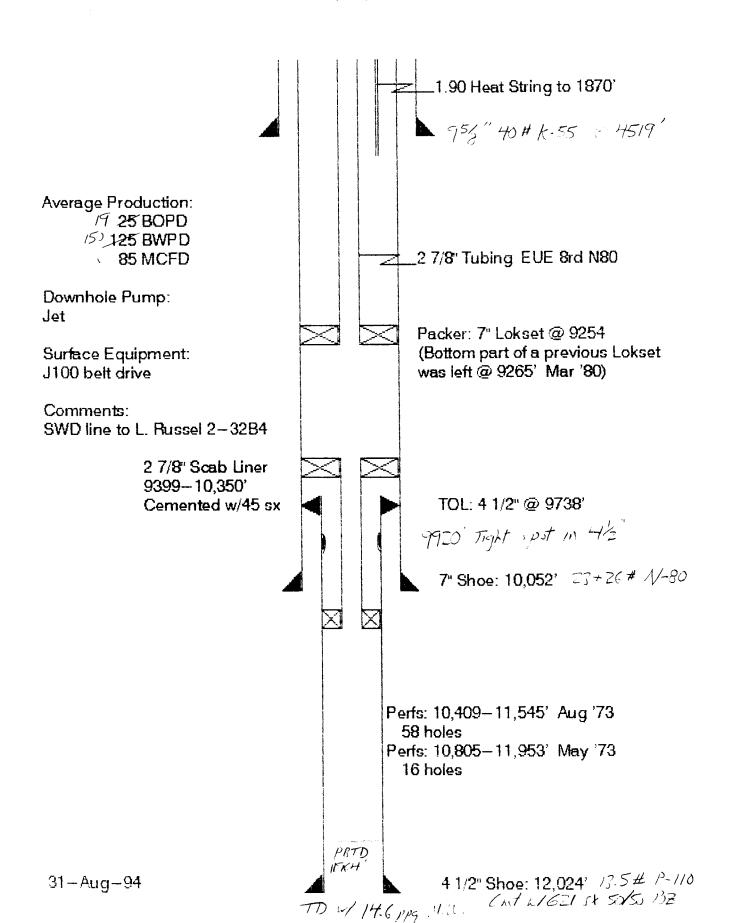
WE71/34-35

### TATE OF UTAH DIVISION OF OIL, GAS AND MINING

DIVISION J. OIL, GAS AND MIN	ING	5. Lease Designation and Serial Number:
		Fee
SUNDRY NOTICES AND REPORTS O	N WELLS	6. If Indian, Allottee or Tribe Name: Ute
Do not use this form for proposals to drill new wells, deepen existing wells, or to reente Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for su		7. Unit Agreement Name: N/A
1. Type of Well: OIL X GAS OTHER:		8. Well Name and Number: Christman Blann #1-31B4
Name of Operator:     Coastal Oil & Gas Corporation		9. API Well Number: 43-013-30198
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749	(303) 573 – 4476	10. Field and Pool, or Wildcat: Altamont
4. Location of Well Footages: 1257' FNL & 1552' FEL QQ, Sec., T., R., M.: NW/NE Section 31, T 2S-R4W		County: Duchesne State: Utah
11. CHECK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, RE	PORT, OR OTHER DATA
NOTICE OF INTENT (Submit In Duplicate)		QUENT REPORT Original Form Only)
Abandon	Date of work completion	New Construction Pull or Alter Casing Perforate Vent or Flare Water Shut-Off  s and Recompletions to different reservoirs on WELL EPORT AND LOG form.
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and g	* Must be accompanied by a cement ver	
The operator proposes to replace the existing casing free hy Procedure: POOH with heat string. Release 7" 26# Lokse cleaned out because of a casing patch. PU steel plug, 5" PB tbg, and 7" TAC. Set AC @ +/-9000'. RIH w/1-3/4" pum at 3 SPM & return to production. Run dynamometer analy	t pkr @ 9254'. POOH w/tbg. N GGA, 2-7/8" nipple w/dip tube, pp, 250' 1" rod w/g, and standard	Note: the 4-1/2" liner cannot be pup jt, SN, 7 jts 2-7/8" I design to surface. Set pump speed
13.  Name & Signature: Hum Land  (This space for State use only)	Bonnie Johnsto	
(Time species for State use Only)		of zi / q x

### CHRISTMAN BLANN 1-31B4

Sec 31; 2S; 4W



#### TATE OF U DIVISION OF OIL, GA

TAH	ECEIV		Design Control
S AND MINING	SEP 0 8 1995	(0)	The second secon

Ł					
ķ.	Lease	Designation	and	Serial	Number:
γ.	Lease	Designation	QI IQ	CCITAI	TTUIND CT.

	1		Fee	
SUNDRY N	OTICES AND REPORTS (	DNAMBEKSIL, GAS & MININ	G I If Indian, Allottee or Tribe Name: Ute	
Do not use this form for proposals to	o drill new wells, deepen existing wells, or to reent	er plugged and abandoned wells.	7. Unit Agreement Name:	
Use APPLICATIO	N FOR PERMIT TO DRILL OR DEEPEN form for s	uch proposals.	N/A	
1. Type of Well: OIL $\fbox{X}$ GAS $$	OTHER:		8. Well Name and Number: Christman Blann #1-31B4	
2. Name of Operator: Coastal Oil & Gas Corporation	on		9. API Well Number: 43 – 013 – 30198	
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80	0201-0749	(303) 573 – 4455	10. Field and Pool, or Wildcat: Altamont	
4. Location of Well				
Footages: 1257' FNL &	: 1552' FEL		County: Duchesne	
QQ, Sec., T., R., M.: NW/NE Se	ction 31-T2S-R4W		State: Utah	
11. CHECK APPRO	PRIATE BOXES TO INDICA	TE NATURE OF NOTICE, RE	PORT, OR OTHER DATA	
NOTICE OF	INTENT	SUBSEQ	UENT REPORT	
(Submit In D	uplicate)	(Submit O	riginal Form Only)	
Abandon	New Construction	Abandon *	New Construction	
Repair Casing	Pull or Alter Casing	Repair Casing	Pull or Alter Casing	
Change of Plans	Recompletion	Change of Plans	Perforate	
Convert to Injection	Perforate	Convert to Injection	Vent or Flare	
Fracture Treat or Acidize	Vent or Flare	Fracture Treat or Acidize	Water Shut-Off	
Multiple Completion	Water Shut-Off	X Other Install Rotaflex		
Other	Water Shut-Sh	A Other Install Rotation		
Other		Date of work completion	3/29/95	
Approximate date work will start			and Recompletions to different reservoirs on WELL	
Approximate date work will start		COMPLETION OR RECOMPLETION REPORT AND LOG form.		
		* Must be accompanied by a cement verifi	cation report.	
vertical depths for all markers and zones pertir		give pertinent dates. If well is directionally drilled, gi	ve subsurface locations and measured and true	
Name & Signature:	- Pereme/	Sheila Bremer Title: Environmental	& Safety Analyst Date: 09/06/95	
(This space for State use only)			A	

(This space for State use only)

faxerelyting 13/95.

#### COASTAL OIL & GAS CORPORATION CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (INSTALL ROTAFLEX)

ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 95.000305% COGC/ANR AFE: 14867
TD: 12.024' PBTD: 11.964'
4½" LINER 9.738'-12.024'
PERFS: 10.409'-11.953'

CWC(M\$): 150.0

3/18/95 Prep to unflange WH. MIRU workover rig. CC: \$1,364

TOOH w/2%" tbg & Lokset pkr. Cut bolts on WH & ND tree. RU Delsco. Pulled SV (tagged FL @ 4950'). RD Delsco. NU BOP's. TOOH w/57 jts tbg. ND BOP's. Unset 7" Lokset pkr. ND WH, NU BOP's. TOOH w/96 jts 2%" 8rd tbg. CC: 3/19/95 \$5.243

TIH w/production BHA. 3/20/95 TOOH w/198 jts 2%" 8rd tbg. pump cavity & 7" Lokset pkr. PU 7" scraper & TIH to 6500' - tagged paraffin. Pmpd 80 bbls hot wtr down tbg. TIH w/remaining tbg, tag top of 2%" scab liner @ 9363'. TOOH w/workstring. CC: \$11.840

3/21/95 TIH w/BHA (steel plug, PBGA, 4' 2%" sub, SN, 7 jts 2%", 7" Mtn States AC and 287 jts 2%" 8rd tbg. Set TAC @ 8982', SN @ 9202' (end of gas anchor @ 9240', ND BOP's. Set anchor w/18,000# tension & landed in WH donut. NU WH. PU Highland 1% pump & 8 - 3%" rods. CC: \$14.261

Well on production. TIH w/91 -  $\frac{3}{4}$ ", 122 -  $\frac{3}{6}$ ", 119 - 1" rods. Spaced out pump. RDMO. CC: 3/22/95 \$47,208

Pmpd 0 BO, 196 BW, 0 MCF, 3.5 SPM, 13 hrs. CC: \$150,800 3/22/95

Pmpd 8 BO, 311 BW, 76 MCF, 3.5 SPM. 3/23/95 Check FL & dyno today. Probably will speed up unit.

Pmpd 30 BO, 244 BW, 168 MCF, 4.7 SPM. 3/24/95

Pmpd 22 BO, 148 BW, 183 MCF, 4.7 SPM. 3/25/95

Pmpd 37 BO, 394 BW, 195 MCF, 4.7 SPM. 3/26/95

Pmpd 28 BO, 133 BW, 192 MCF, 4.7 SPM. 3/27/95

Pmpd 16 BO, 118 BW, 178 MCF, 4.7 SPM. Pmpd off. Will slow down. 3/28/95

Pmpd 43 BO, 184 BW, 193 MCF, 3.4 SPM. 3/29/95

Prior prod: 0 BOPD, 0 BWPD, 0 MCFPD. Final report.

PAGE 1

### TATE OF UTAH DIVISION OF OIL, GAS AND MINING

	00 tog	5. Lease Designation and Serial Number: Fee			
SUNDRY NOTICES AND REPORTS O	N WELLS	6. If Indian, Allottee or Tribe Name: Ute			
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter  Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for suc	7. Unit Agreement Name: N/A				
1. Type of Well: OIL X GAS OTHER:		8. Well Name and Number: Christman Blann #1-31B4			
2. Name of Operator: Coastal Oil & Gas Corporation		9. API Well Number: 43-013-30198			
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749	(303) 573 – 4455	10. Field and Pool, or Wildcat: Altamont			
4. Location of Well  Footages: 1257' FNL & 1552' FEL  QQ, Sec., T., R., M.: NW/NE Section 31-T2S-R4W		County: Duchesne State: Utah			
11. CHECK APPROPRIATE BOXES TO INDICAT					
NOTICE OF INTENT (Submit In Duplicate)		JENT REPORT iginal Form Only)			
Abandon New Construction  Repair Casing Pull or Alter Casing  Change of Plans Recompletion  Convert to Injection X Perforate  X Fracture Treat or Acidize Vent or Flare  Multiple Completion Water Shut—Off  X Other CO  Approximate date work will start	Abandon * Repair Casing Change of Plans Convert to Injection Fracture Treat or Acidize Other  Date of work completion  Report results of Multiple Completions a COMPLETION OR RECOMPLETION REP * Must be accompanied by a cement verifice.				
DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)  Please see the attached workover procedure for work to be performed on the subject well.  Sheila Bremer					
Name & Signature: Affeila Poremer		& Safety Analyst Date: 12/19/95			

(This space for State use only)

12/27/95 lus

#### **CHRISTMAN-BLANN 1-31B4**

#### Section 31 T2S R4W Altamont Field Duchesne Co., Utah

#### PROCEDURE:

- 1. MIRU PU. POOH w/rods & pump. NDWH. Rls TAC which is set @ 8982'. NUBOP. POOH w/tbg.
- 2. RIH w/shoe, washpipe and junk baskets on 2-7/8" tbg. Attempt to washover lower half of Loc-Set pkr sitting on liner top @ 9738'. POOH
- 3. MIRU CTU. CO to PBTD @ 11,950'. Downhole jetting tool may be needed due to compacted fill.
- 4. MIRU WL Co. Perf the following interval with a 2" RTT gun loaded w/3 JSPF.

#### 10,483-11,940' 76' 228 holes

Tie into Gearhart GR log dated 4/28/73 for depth control.

- 5. RIH w/retr pkr on 3-1/2" 9.3# N-80 tbg. Set pkr @ 9300'. PT csg to 1000 psi.
- 6. MIRU Dowell to acidize interval from 10,409-11,953' w/9000 gals 15% HCl per attached treatment schedule. MTP 9000 psi.
- 7. Swab back load and test. Rls pkr, POOH.
- 8. RIH w/production equipment per design. Return well to production.

 Well Name:
 C. Blann 1-31B4
 Date:
 12/5/95

Fluid	Stage	3% KCI	Gelled 10 ppg Brine	15 % Acid Vol.	Ball Sealers
<u>Description</u>	<u>#</u>	<u>(Gal)</u>	<u>(Gal)</u>	<u>(Gal)</u>	<u>(#, Sg)</u>
Pad	1	3,400			
Acid	2			1,000	75
Divertor	3		2,000		
Acid	4	-		3,500	150
Divertor	5		1,500		
Acid	6			4,500	225
Flush	7	5,700			
Totals	(gals):	9,100	3,500	9,000	450, 1.1 S.G.
	(bbls):	217	83	214	

Gelled Saltwater to contain:	_1/2_ppg BAF		
	_1/2_ppg Rock Salt		
	0_ppg Wax Beads		
		YF140 Crosslinked gel	
	_		

## BLAND #1-31B4 Perforation Schedule

Schlum.	Schlum.	Go
Dual Ind.	Sonic *	Gamma
Run #2	Run #2	Run #1
(4/14/73)	(4/15/73)	(4/28/73)
		40 479
10,483	10,476	10,478
10,499	10,491	10,493
10,525	10,517	10,519 10,535
10,542	10,533	10,535
10,549	10,541	10,557
10,563	10,555	10,565
10,572	10,564	10,619
10,626	10,615	10,626
10,633	10,622	
11,644	10,633	10,637 10,647
11,653	10,643	10,658
10,667	10,654	10,676
10,683	10,672	10,695
10,702	10,691	10,727
10,734	10,723	10,736
10,744	10,732	10,743
10,750	10,739	10,781
10,787	10,775	10,804
10,810	10,798	10,853
10,860	10,848	10,859
10,866	10,854	10,971
10,978	10,967	10,981
10,988	10,977	10,986
10,993	10,982	11,016
11,022	11,011	11,094
11,098	11,091	11,098
11,102	11,095	11,150
11,156	11,148	11,178
11,184	11,176	11,117
11,223	11,215	11,227
11,233	11,225	11,243
11,249	11,241	11,279
11,286	11,277 11,289	11,291
11,298	11,269	11,305
11,312		11,313
11,320	11,311 11,335	
11,344	11,335	
11,351		
11,369	11,300	,

Schlum.	Schlum.	Go
Dual Ind.	Sonic *	Garnma
Run #2	Run #2	Run #1
(4/14/73)	(4/15/73)	(4/28/73)
11,397	11,388	11,390
11,410	11,401	11,403
11,450	11,441	11,443
11,459	11,450	11,452
11,467	11,456	11,458
11,485	11,476	11,478
11,500	11,491	11,493
11,547	11,539	11,541
11,569	11,561	11,563
11,618	11,611	11,613
11,630	11,623	11,625
11,645	11,638	11,640
11,671	11,665	11,666
11,683	11,677	11,678
11,687	11,681	11,682
11,712	11,707	11,707
11,723	11,717	11,717 11,725
11,731	11,725	11,739
11,743	11,737	11,751
11,756	11,750	11,757
11,762	11,756	11,774
11,778	11,773	11,785
11,789	11,784	
11,795	11,790	
11,818	11,813	
11,825	11,819	
11,833	11,827	
11,850	11,846	
11,866	11,862	
11,871	11,867	
11,890	11,886	
11,896	11,892	
11,901	11,89	
11,915	11,91	
11,925	11,92	
11,934	11,93	
11,940	-11,93	
<del>-11,955</del>	-17,30	

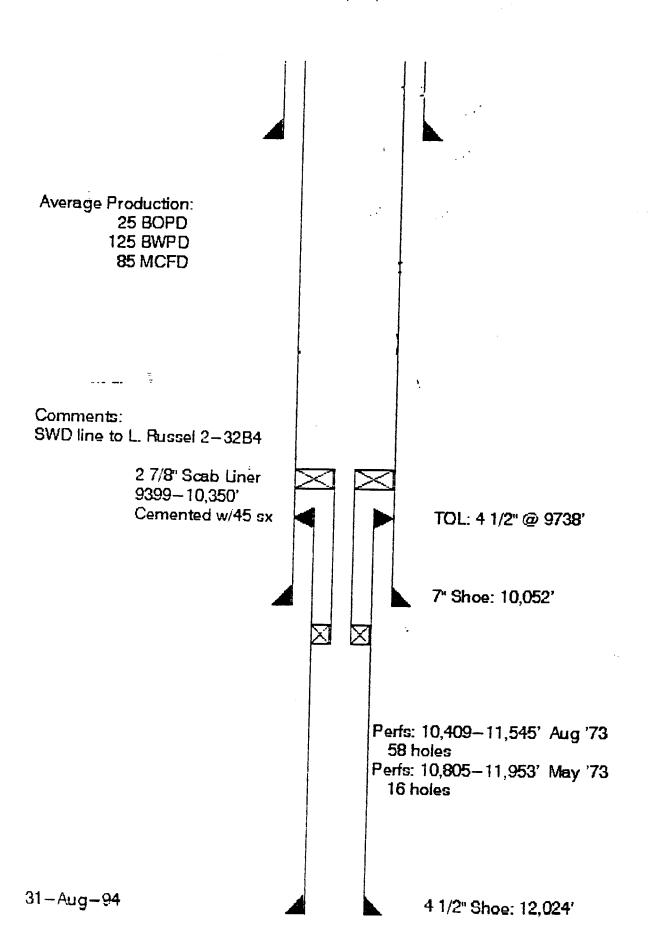
#### 76 77 ZONES

S. H. Laney 11/15/95

<sup>\*</sup> Depths for the initial perforations (10,409 - 11,545) completed on 8/73 were probably picked on the Sonic log.

### CHRISTMAN BLANN 1-31B4

Sec 31; 2S; 4W



#### TATE OF UTAH DIVISION OF OIL, GAS AND MINING

Di	VIOLOTA OF OIL, AMOVIND IIII.		5. Lease Designation and Serial Number:
SUNDRY N	OTICES AND REPORTS C	ON WELLS	6. If Indian, Allottee or Tribe Name: Ute
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.		7. Unit Agreement Name: N/A	
1. Type of Well: OIL $oxed{X}$ GAS $oxed{[}$	OTHER:		8. Well Name and Number: Christman Blann #1-31B4
2. Name of Operator: Coastal Oil & Gas Corporation	on		9. API Well Number: 43-013-30198
3. Address and Telephone Number: P.O. Box 749, Denver, CO 8	0201-0749	(303) 573 – 4455	10. Field and Pool, or Wildcat: Altamont
	ection 31-T2S-R4W		County: Duchesne State: Utah
11. CHECK APPRO	PRIATE BOXES TO INDICAT		UENT REPORT
(Submit In			Original Form Only)
Abandon Repair Casing Change of Plans Convert to Injection Fracture Treat or Acidize Multiple Completion Other	New Construction Pull or Alter Casing Recompletion Perforate Vent or Flare Water Shut-Off	Abandon *  Repair Casing  Change of Plans  Convert to Injection  X Fracture Treat or Acidize  X Other CO	New Construction Pull or Alter Casing X Perforate Vent or Flare Water Shut-Off
Approximate date work will start		Date of work completion 4/7/96  Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.  * Must be accompanied by a cement verification report.	
vertical depths for all markers and zones pert	ERATIONS (Clearly state all pertinent details, and rinent to this work.)  nological history for work perfor		give subsurface locations and measured and true
		DW 01 0	
13. Name & Signature:	i Bremer	Sheila Bremer Title: Environmental	& Safety Analyst Date: 04/22/96
(This space for State use only)			

### COASTAL OIL & GAS CORPORATION CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE) ALTAMONT FIELD

DUCHESNE COUNTY, UT

WI: 100.00% COGC AFE: 10625

TD: 12,025' PBTD: 11,950' 4½" LINER @ 9738'-12,024'

PERFS: 10,409'-11,953' CWC(M\$): 153.4

3/7/96

Rig Up.

MIRU workover rig.

3/8/96

3/9/96

RIH w/21/8".

Spot rig in. RU rig, pump 50 bbls prod water down csg, pull pump off seat. Flush rods w/55 bbls prod water. POOH w/rods. LD pump. Change equp to 27/6", rel anchor, RU BOPs floor. POOH w/287 jts 27/6" tallying, 7" anchor, 7 jts 27/6", SN, 41/2" PBGA, steel plug. RIH w/31/2" collar, 31/2"x27/6" xover 80 jts 27/6" to \$5148.

POOH w/21/8".

Bleed off well, RIH w/219 jts 21/6", tag @ 9366'. PO 7' flush tbg w/90 bbls fresh. RU Hallibuton video. RIH. See top of fish @ 9371'. RIH to 9426'. See 21/6" collar @ 9426', 9394'. POOH w/camera. RD Halliburton. Leave csg open to treater. CC: \$14,757.

3/10/96

No activity.

3/11/96

RIH w/21/8".

Open wellup - slight blow. POOH w/299 jts 2%", xover,  $3\frac{1}{2}$ " collar. RU Delso. Run  $2\frac{1}{8}$ " gauge ring, tag @ 9371'. Work through. RIH to 10,351'. Stack out, can't get through.  $2\frac{1}{8}$ " scab liner @ 9366'-10,350'. No indication of 20' tools ging completely out end of 2%" lier. POOH. RD Delso. Decide to run coiled tbg. PU M. States 7" 32A pkr, 120 jts 2%" to 3738'. Leave csg open to treater. CC: \$17,899.

3/12/96

RU continuous tbg.

Bleed off well. RIH w/21/6". Set 7" 32A @ 9344' w/20,000# tension. RU Delso. Run 13/4" gauge ring to 11,694'. POOH. RD. CC: \$19,797.

3/13/96

RIH w/coiled tbg..

Bleed off csg - 50 psi. Tbg press 1100 psi. Bleed off - kicking oil. RU Camco coiled tbg. RIH to 9371', can't get tbg in to scab liner. POOH w/coiled tbg to 7600' - hydraulic hose broke. Wait for repairs. POOH w/coiled tbg. RD Camco. Rel 7" pkr, add subs, set 7" pkr @ 9368' w/25,000# tension. CC: \$23,671.

3/14/96

RIH w/cont tbg.

Open tbg up, 75#, bled off. RU & RIH w/1 " wash tool & knuckle jt on 1½" coiled tbg. Work into top of 21/6" liner @ 9371' for 10'. Attempt to circ w/FW & N<sub>2</sub> - no success. POH to 5000' & circ down to top of liner @ 9371' w/FW & 1500 SCF/BBL N<sub>2</sub>. Could not work into liner. RIH w/stabilizer on 1½" CT to 11,694'. Could not wash past 11,694'. CC: \$51,685.

3/15/96

RIH w/bailer.

Csg press 0#, tbg press 725#, bleed off. RU Camco coiled tbg. RIH w/1.84 od hiptrippper bit to 11,694'. Circ & hammer drill to 11,749', get some frac balls, sand, metal shvings inreturns. No headway. POOH w/tbg, bit. Bit looked okay. CC: \$70.603.

3/16/96

Bail balls.

Csg press 0#, tbg press 1000#, bleed off. RU Delso WL, RIH w/1¾" od bailer to bail out frac balls. Make 6 runs. Get some frac balls, fill out. CC: \$72,764.

#### COASTAL OIL & GAS CORPORATION CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE) ALTAMONT FIELD DUCHESNE COUNTY, UT WI: 100.00% COGC AFE: 10625

WOO. 3/17/96

RU Delso, RIH w/ball catcher-bailer. Make 4 runs, rec frac balls, sand, round scale, about

1 qt. recovered. CC: \$73,500.

RIH w/coil tbg. 3/18/96

Open tbg, 1100#, bleed off. RU Camco coiled tbg, RIH w/1.84" od Hipptripper bit, 11/2" tbg to 11,748'. Drill & circ to 11,754'. POOH w/tbg, bit. 7 hrs drilling made 6 ft. CC: \$91,222.

RIH w/31/2" tbg. 3/19/96

Open tbg up, 425#, bleed off. RU Camco coil tbg, RIH w/1.75" OD button bit w/hipptripper, 1.50 coiled tbg. Tag @ 11,754'. Start drill & circ, no head way, got stuck, try to work free 1 hour, pull free. POOH w/tbg, bit. Bit had scar marks from metal, suspect metal junk in hole. RD CTU. Rel 7" pkr & POOH w/21/8" tbg. Change equip to 31/2", leave csg open to treater. CC: \$107,306.

3/20/96 Perf.

Bleed off well. PU M. States 7" HD pkr, 31/2' tbg, set pkr @ 9351' w/30,000# compression. Fill csg w/155 bbls prod water. Press test to 1000#, hold. CCL \$111,623.

3/21/96

Open tbg up - 575 psi. RU WL to log perf. Run Gamma Log, find PBTD @ 11,744', log to 9300'. Perf w/1-11/16" gun, 0° phase.

Run 1: 11,739'-11,362', 20 ft, 60 holes, FL N/A, 0 psi. Run 2: 11,344'-10,853', 19 ft, 57 holes, FL N/A, 0 psi.

Run 3: 10,804'-10,478', 19 ft, 57 holes, FL N/A, 0 psi.

No response after perf'g. Couldn't perf 11,751'-11,935' (18'). RD WL. Will acidize 3/25/96 a.m. CC: \$127,655.

3/22/96 Prep to acidize.

3/23-24/96 No activity.

3/25/96 Swab.

RU Dowell, open well up, 1350 psi. Acidize perfs 10,409'-11,739' w/9000 gals 15% HCL + diverter. Avg rate 22 BPM, max rate 36 BPM, ave press 8400#, max press 9000#, ISIP 3000# - 5 min 2641#, 10 min 1808#, 15 min 1305#. Diversion good. Total load 525 bbls. RD Dowell. RU to swab. Made 17 runs, FL 1st run 3000', ph 5. FFL 4100', ph 4, trace oil. Rec 138 total bbls, trace oil. Left to rec 387 bbls. CC: \$159,484.

3/26/96 RIH w/production.

Open tbg up, 675#. Bled off. Made 2 swab run. 1st run FL @ 4700', ph 5, 8 bbls, 25% oil. Last run FL 4000', ph 5, 8 bbls, 25% oil. Swabbed 16 BF total - 12 BW, 4 BO. Left to recover 375 bbls. RD swab equip. Rel pkr. LD 31/2" tbg. Change equip to 21/6". CC: \$165,181.

Rig down rig, put on production. 3/27/96

Bleed off well. PU BHA & 295 jts 21/6". RD floor, remove BOPs. Set A/C @ 9324' w/28,000# tension. SN @ 9225'. Change equip ro rods. PU 1¾" pump, rods space out, add subs. PU polish rod. Seat pump. Fill tbg w/ 25 bbls prod water. Press test to 500 psi, strokes good. Load out equip, clean location. CC: \$169,856.

### COASTAL OIL & GAS CORPORATION CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE) ALTAMONT FIELD DUCHESNE COUNTY, UT WI: 100.00% COGC AFE: 10625

3/28/96	Well on production.  RD rig. Clean location. Move roto flex forward. Won't run, wait for electrician. Get rotoflex working, well running fine. Turn over to pumper. CC: \$184,709.
	Pmpd 8 BO, 299 BW, 26 MCF, 4.1 SPM, 20 hrs.
3/29/96	Pmpd 57 BO, 259 BW, 110 MCF, 4.1 SPM.
3/30/96	Pmpd 60 BO, 267 BW, 149 MCF, 4.1 SPM.
3/31/96	Pmpd 41 BO, 215 BW, 131 MCF, 4.1 SPM.
4/1/96	Pmpd 27 BO, 287 BW, 105 MCF, 4.1 SPM.
4/2/96	Pmpd 16 BO, 163 BW, 93 MCF, 4.1 SPM.
4/3/96	Pmpd 22 BO, 152 BW, 83 MCF, 3.4 SPM.
4/4/96	Pmpd 19 BO, 144 BW, 80 MCF, 3.4 SPM.
4/5/96	Pmpd 13 BO, 135 BW, 80 MCF, 3.4 SPM.
4/6/96	Pmpd 17 BO, 134 BW, 83 MCF, 3.4 SPM.
4/7/96	Pmpd 16 BO, 117 BW, 74 MCF, 3.4 SPM, 54% POC - pmpd off. Prior Prod: 6 BO, 50 BW, 30 MCF. Final Report.

### STATE OF UTAH DIVISION OF OIL, GAS AND MINING

		Lease Designation and Serial Number:     Fee		
SUNDRY NOTICES AND REPORTS O	N WELLS	6. If Indian, Allottee or Tribe Name: Ute		
Do not use this form for proposals to drill new wells, deepen existing wells, or to reented Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for su	7. Unit Agreement Name: N/A			
Type of Well: OIL X GAS OTHER:		8. Well Name and Number: Christman Blann #1-31B4		
Name of Operator:     Coastal Oil & Gas Corporation		9. API Well Number: 43-013-30198		
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749	(303) 573-4455	10. Field and Pool, or Wildcat: Altamont		
4. Location of Well  Footages: 1257' FNL & 1552' FEL  QQ, Sec., T., R., M.: NW/NE Section 31-T 2S-R4W  11. CHECK APPROPRIATE BOXES TO INDICATE	FE NATURE OF NOTICE REP	County: Duchesne State: Utah		
NOTICE OF INTENT		UENT REPORT		
Abandon	Abandon * Repair Casing Change of Plans Convert to Injection Fracture Treat or Acidize Other Date of work completion			
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)  Please see the attached workover procedure for work to be performed on the subject well.  DIV. OF OIL, GAS & MINING				
13.  Name & Signature: Aprila Poreme V	Sheila Bremer Titte Environmental &	Safety Analyst Date 10/23/96		
(This space for State use only)  Mattheta fahrleum	Lymen	10/28/96		

# CHRISTMANN-BLANN 1-31B4 Section 31 T2S R4W Altamont Field Duchesne Co. Utah

#### PROCEDURE:

- 1. MIRU PU. POOH w/rods and pump. NDWH. Rlse TAC set @ 9324'. NUBOP POOH w/tbg.
- 2. RIH w/retr pkr on 2-7/8" tbg. Hydrotest tbg GIH to 8500 psi. Set pkr @ 9340'. PT csg to 1000 psi.
- 3. MIRU Oilwell Perforators. RIH w/2-7/8" 10K# diff CIBP. Set plug @ 10,350'. PT plug to 1000 psi.
- 4. Perforate the following interval w/a 2" Scallop gun loaded w/3-6.5 gr charges/foot (.34" hole 9.25" penetration).

#### 10,319-9374' 57' 171 holes

Tie into OWP Radioactivity log dated 3-26-96 for depth control. Perforate under full lubricator. Monitor fluid levels and surface pressures.

- 5. Break dn perfs with produced wtr. Swab test for entry.
- 6. MIRU Dowell to acidize interval from 10,319-9374' w/5500 gals 15% HCL per attached treatment schedule. MTP 9000 psi.
- 7. Swab back load. Rlse pkr, POOH. Depending on results of swab test, either a CIBP or RBP will be set @ 9340'. This procedure assumes that both intervals will be commingled and a RBP will be set.
- 8. MIRU OWP. Run CBL/GR/CCL from 9300' to 4523' (base of 9-5/8" csg). Run log under 1000 psi. Perforate the following interval w/a 4" csg gun loaded w/3 JSPF, 120 degree phasing.

#### 8210-9302' 69' 207 holes

Tie into Schlumberger Sonic log dated 3-17-83 for depth control on both the CBL and perforating. Perf under full lubricator, monitor pressures and fluid levels.

9. RIH w/RBP and ball catcher, retr pkr on 2-7/8" tbg. Set RBP @ 9340'. Set Pkr,

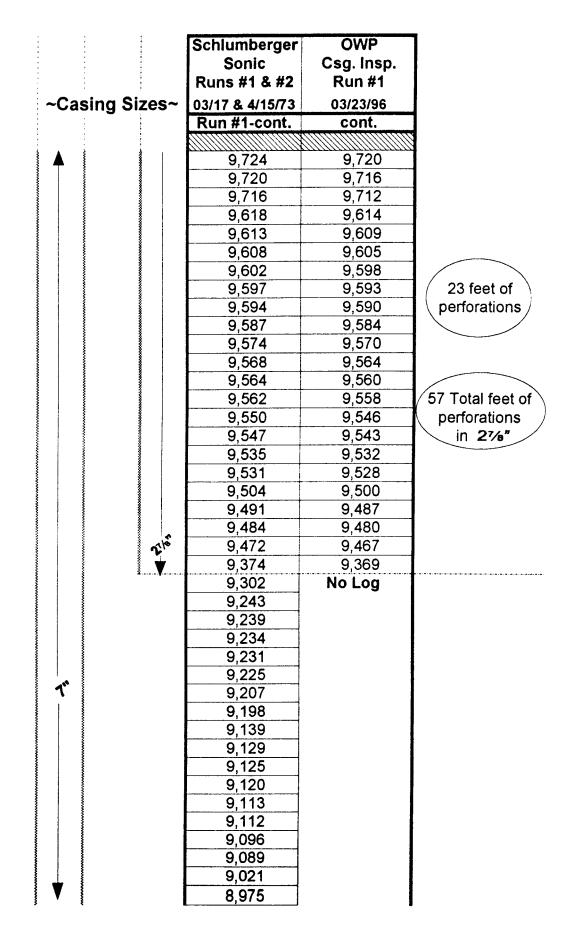
- PT plug to 1000 psi. PUH set pkr @ 8200'. PT csg to 1000 psi.
- 10. MIRU Dowell to acidize interval from 8210-9302' w/6500 gals 15% HCL per attached treatment schedule. MTP 9000 psi.
- 11. Swab back load and test. Rlse pkr, PU RBP, POOH
- 12. RIH w/rod pump equipment. BHA and SN depth will be determined by swab rates and producing intervals.

## GREATER ALTAMONT : .ELD CHRISTMAN-BLANN #1-31B4

Section 31-T2S-R4W Duchesne County, Utah

Perforation Schedule (Top Wasatch & Lower Green River) September 5, 1996

			Schlumberger	OWP	
			Sonic	Csg. Insp.	
~C26	~Casing Sizes~		Runs #1 & #2	Run #1	
~Ca:	aniy o	1263	03/17 & 4/15/73	03/23/96	
			Run #2	03/23/30	
		1 7	Million W		
		8	10,319	10,321	
	A1/2		10,319	10,310	
	}	Z/6	10,301	10,303	
			10,301	10,398	
			10,285	10,286	
			10,258	10,260	
			10,235	10,237	
			10,214	10,214	16 feet of
		8	10,205	10,206	perforations
			10,170	10,170	portorations
			10,150	10,150	
		300	10,103	10,104	
	↑	- <del> </del>	10,101	10,102	
:			10,076	10,078	
			10,070	10,072	
		9	10,061	10,063	
		1	10,025	10,028	
1 T			10,021	10,023	
			10,017	10,019	
74			10,013	10,016	
			10,007	10,010	
			10,005	10,008	
**************************************		*	9,998	10,001	
			9,990	9,993	
		×	9,986	9,989	18 feet of
			9,955	9,958	perforations
			Run #1		
			9,898	9,894	
		800000	9,892	9,888	
	A1/2		9,874	9,870	
	A!	₹   <b>8</b> . <b>•</b>	9,837	9,836	
Ar.		21/2	9,830	9,829	
		90000	9,821	9,820	
	$\downarrow$	7000	9,816	9,813	
	7	7	9,813	9,810	



### Christman-Blann #1-31B4

(Top Wasatch & Lower Green River - continued)
Page 3

	ſ	Schlumberger	OWP
	1	Sonic	Csg. Insp.
		Runs #1 & #2	Run #1
~Casing Si	765~	03/17 & 4/15/73	03/23/96
Ousing C.	-00 F	Run #1-cont.	cont.
<b>A</b>		8,937	
<b>T</b>	I	8,913	
	İ	8,901	
		8,894	Ī
		8,890	
		8,881	
		8,871	
		8,868	I
		8,852	-
		8,841	
		8,837	
		8,823	l
	ļ.	8,819	I
		8,802	
		8,763	
	- 1	8,757	
	1	8,744	
		8,736	
		8,732	
		8,724	
	ŀ	8,675	
	ŀ	8,660 8,650	
	ŀ	8,638	
	ŀ	8,631	
	ŀ	8,594	
	l	8,591	
1	ŀ	8,589	
	Ī	8,556	
	-	8,491	
	Ì	8,460	
	Ì	8,442	
	Ĭ	8.430	
		8,427 8,410	1
		8,410	
***************************************	[	8,408	
***************************************		8,350	
	Į	8,337	
		8,324	
- ~ · · · · · · · · · · · · · · · · · ·		8,296	
<b>▼</b>		8,285	i

#### Christman-Blann #1-31B4

(Top Wasatch & Lower Green River - continued) Page 4

~Casing Sizes~	Schlumberger Sonic Runs #1 & #2 03/17 & 4/15/73	OWP Csg. Insp. Run #1 03/23/96
	Run #1-cont.	cont.
	8,279	
	8,275	
	8,268	
	8,261	
	8,252	
	8,248	
	8,243	
	8,233	
	8,228	
▼	8,210	

126 Feet

Well Name: C. Blann #1-31B4 Date: 10/11/96

		LOWOT THEOTYCH		
Fluid	Stage	3% KCI	15 % Acid Vol.	Ball Sealers
<u>Description</u>	<u>#</u>	(Gal)	<u>(Gal)</u>	<u>(#, Sg)</u>
Pad	1	1,950		
Acid	2		5,500	260
Flush	3	2,100		
Totals	(gals):	4,050	5,500	260, 1.1 S.G.
	(bbls):	96	131	

Perforations from 9,374' - 10,319'	
Packer set @ 9,340'	
Treatment down 2 7/8" tubing @ 9,000 psi MTP	

Well Name: C. Blann #1-31B4 Date: 10/11/96

		Oppor interval		
Fluid	Stage	3% KCI	15 % Acid Vol.	Ball Sealers
<u>Description</u>	<u>#</u>	<u>(Gal)</u>	<u>(Gal)</u>	<u>(#, Sg)</u>
Pad	1	1,700		
Acid	2		6,500	320
Flush	3	3,200		
Totals	(gals):	4,900	6,500	320, 1.1 S.G.
	(bbls):	117	155	

Perforations from 8,210' - 9,302'
Packer set @ 8,200'
Treatment down 2 7/8" tubing @ 9,000 psi MTP

COASTAL ALTAMONT ID:8014543970 COASTAL OIL & GAS LURE. MAR 29'96 8:03 No.001 P.07 Service Co. Mestern Oil Wellell Christman Blan 1-3184 #29 Greg Todd Caty Duchesne State Ut 22.00 Cost 184709 Date March 27, 1996 Foremen Jim Foremen CEG DATA e 95 40" GRADE 9738 12,024 9399 -10 350 Tbg tally BREIF COMPLETION SUMMARY MIRU POOH w rods, the partial exe Run wireline to 9349 Cameo call the several Try bailing out frac bok RTHW/134 doift to 11.694' coil the one more time get stuck free.

I pke Arterate w/1 1/10 gives 10, 463-11,729

HGL Such 1:0 3/2 the el wireline Try Comes PATD 11,799. BU 36 set pke Acidize w/ 9000pal 15% HCL Run Production Seek e 7" 26# Stretch 4.00 FINAL STATUS 2% Hange 22.00 295 its 21/2 Bod N-80 276-4455, Nipple 9198.55 1.08 Proposed pers 4'24 Bet Sub N-80 4'2 PBGA now style 1:t 2/8 Brd N-80 B. Boad 4.00 <u>10,319 - 8210</u> ع*ار* بد3 126' 27.61 JA Phag lit 275 Ferferated Ard 4 276 8rd Sub N.80 M. States 7 8-2 anchir cat. 73 29.45 4.05 4% LokSet pkr 1.98 OD EOTE 1932 WLM my carb slip set of 28,000 tos Perfs 10,409 - 11,953 (No.) 10, 478 - 11, 739 179 holes 9327 EOT & Top of anchor @ 9324.18 PATDE 11, 744 IN CON. Top of s. Nipple @ 9225.10 PBTD

## TE OF UTAH DIVISION OF OIL, GAS AND MINING

			5. Lease Designation and Serial Number:
SUNDRY N	OTICES AND REPORTS O	N WELLS	6. If Indian, Allottee or Tribe Name: Ute
Do not use this form for proposals to Use APPLICATIO	7. Unit Agreement Name: N/A		
1. Type of Well: $OIL \boxed{X} \qquad GAS $	OTHER:		8. Well Name and Number: Christman Blann #1-31B4
Name of Operator:     Coastal Oil & Gas Corporation			9. API Well Number: 43-013-30198
3. Address and Telephone Number: P.O. Box 749, Denver, CO 802	01-0749	(303) 573-4455	10. Field and Pool, or Wildcat: Altamont
4. Location of Well			
Footages: 1257' FNL &	1552' FEL		County: Duchesne
QQ, Sec., T., R., M.: NW/NE Sec	tion 31-T 2S-R4W		State: Utah
11. CHECK APPR	OPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, RE	PORT, OR OTHER DATA
NOTICE OF			QUENT REPORT t Original Form Only)
Abandon Repair Casing Change of Plans Convert to Injection Fracture Treat or Acidize Multiple Completion Other	New Construction Pull or Alter Casing Recompletion Perforate Vent or Flare Water Shut-Off	Abandon * Repair Casing Change of Plans Convert to Injection X Fracture Treat or Acidize Other	New Construction Pull or Alter Casing  Perforate Vent or Flare Water Shut-Off
Approximate date work will start		Date of work completion  Report results of Multiple Completion COMPLETION OR RECOMPLETION of Must be accompanied by a cement ver	s and Recompletions to different reservoirs on WELL REPORT AND LOG form.
vertical depths for all markers and zones pertine			, give subsurface locations and measured and true
13.  Name & Signature:	a Bremer	Sheila Bremer  Title Environmental	& Safety Analyst Date 12/20/96
This space for State use only)  WO Fax Cradit	10/97		

(5/94)

### COASTAL OIL & GAS CORPORATION CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE)

ALTAMONT FIELD

DUCHESNE COUNTY, UT

WI: 100.00% COGC AFE: 26618 TD: 12,025' PBTD: 11,750'

4½" LINER @ 9738'-12,024'

PERFS: 10,409'-11,739' CWC(M\$): 121.4

10/31/96 **POOH w/pump & rods.** 

MIRU workover rig. Pull pump off seat.

CC: \$2500.

11/1/96 SD for WE.

POOH w/rods & pump, xo to 27%" tbg, NU BOP. Rel TAC @ 9324', POOH w/27%". CC: \$5597.

11/2-3/96 No activity.

11/4/96 Perf

PU 7" HD pkr, RU & hydrotest to 8500#. RIH w/21/6" tbg, set pkr @ 9340'. Fill csg w/265 bbls treated prod water, test to 1000#, ok. Prep to perf in a.m. CC: \$10,275.

11/5/96 Dump cmt on plug.

MIRU OWP. RIH w/2%" CIBP, could not get in scab liner @ 9348'. POOH, rel 7" pkr @ 9340', RIH, reset pkr @ 9345'. RIH w/2%" CIBP, set @ 10,322'. Fill tbg to test plug, plug will not test, call for 2" dump bailer, WO tools.

11/6/96 Perf.

PU 2" bailer, RIH to dump cmt on plug, tag @ 9435', could not get down. POOH w/bailer & cmt. Call for tools. PU 21%' No-Go, jars. RIH, tag @ 10,322'. POOH. PU 2" bailer, RIH & dump cmt on bridge plug @ 10,322', top of cmt @ 10,317. Stuck bailer @ 10,283, work free, POOH, LD bailer.

CC: \$14,756.

11/7/96 Drop line cutter.

Test CIBP @ 10,322', no test. PU 2" scallop gun w/3 SPF. RIH w/30' gun. stop @ 8448'. POOH. PU 15' gun, RIH, stop @ 9440'. POOH. PU 10' gun, RIH, stop @ 10,311'. FL 200'.

Run #1: 10,308'-10,235', 6 ft, 18 holes, psi 0, FL 200'.

Run #2: stuck @ 9412' w/10' gun.

Could not pull of of rope socket, call for line cutter.

CC: \$17,306.

11/8/96 RU OWP

PU on 21/6" tbg 6', pull out of rope socket, POOH w/line, RD OWP.

CC: \$32,545.

11/9/96 Cont perf'g.

RU OWP. Ran 21/6" No-Go, ran OS, work over fish @ 9412', set off jar, fish came free, LD fish. Ran 21/6" No-Go to 10,312', PU 3 guns, 9 shots, 2" scallop.

Run	Depth	Feet	Holes	PSI	FL
1	10.214'-10,170'	3	9	0	sfc
2	10,150'-10,101'	3	9	800	sfc
3	10,076'-10,061'	3	9	1100	sfc

CC: \$35,100.

RD OWP.

## COASTAL OIL & GAS CORPORATION CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE) ALTAMONT FIELD DUCHESNE COUNTY, UT WI: 100.00% COGC AFE: 26618

#### 11/10/96

#### Cont perf'g.

SITP 1100#, RU OWP. Pump diesel into OWP lub, perf top Wasatch & lower Green River w/2" scallop gun w/3 SPF:

Run	Depth	Feet	Holes	PS1	FL
1	10,025'-10.017'	4	9	1100	sfc
2	10.013'-9998'	4	12	1100	sfc
3	9990'-9898'	4	12	1200	sfc
4	9892'-9830'	4	12	1200	sfc
5	9892'-9720'	4	12	1200	sfc
6	9716'-9609'	4	12	1300	sfc
7	9605'-9590'	4	12	1300	sfc
total	10,025'-9590'	27	81	1300	sfc

RD OWP. Left to perf: 9584'-9369', 14 fr, 42 holes.

CC: \$37,435.

#### 11/11/96

**Swab.** PU, RIH w/2" gun, perf:

Run	Depth	Feet	Holes	PS1	FL
8	9587'-9564'	4	12	1400	sfc
9	9562'-9536'	4	12	1400	sfc
19	9531'-9484'	4	12	1400	sfc
11	9472'-9374'	4	12	1400	sfc

RD OWP. Flow well, flow 22 bbls 100% oil/1½ hrs. RU & swab, FL sfc, FFL 2000'. Rec 15 BO, 64 BW, 20% oil cut, swab 3 hrs, total fluid rec 101 bbls. CC: \$58,666.

#### 11/12/96 Swabbing.

1250# on tbg. well flowed 12 bbls in  $\frac{1}{2}$  hr. Swab, IFL sfc, FFL 6500'. Rec 59 BO, 107 BW, 40% oil cut, total 166 bbls fluid, PH 7.0, swab 6 hrs, 15-18 BPH entry rate. Air comp on rig broke a gear, rig repair, shut down 3 hrs.

#### 11/13/96 Acidiz

1400 psi on tbg. Well flowed 813 bbls. swab - IFL sfc, FFL 3500'. Rec 62 BO, 56 BW, 50% oil cut, total fluid 118 bbls, prep to acidize in a.m. CC: \$62,286.

#### 11/14/96 Flow testing.

MIRU Dowell, acidize perfs from 9374'-10.308' w/5500 gals 15% HCL. MTP 8400#, ATP 8100#, MTR 25 BPM, ATR 20 BPM. ISIP 1750#, 15 min SIP 1163#, 264 BLTR. Open well at 9:00 a.m. on 64/64" ck - 1150# on tbg, flow well to frac tank. Flwd 193 BO, 299 BW, 145 MCF/21½ hrs, FTP 40#, 44/64" ck, drk green oil. CC: \$82.929.

## COASTAL OIL & GAS CORPORATION CHRONOLOGICAL HISTORY

CHRISTMAN BLANN #1-31B4 (PERF & ACIDIZE) ALTAMONT FIELD DUCHESNE COUNTY, UT WI: 100.00% COGC AFE: 26618

11/15/96	RIH, set TAC. Flow test. Rel pkr, kill well. POOH, LD pkr. PU 7" TAC & pmpg BHA. RIH, EOT 8100'. CC: \$86,314.
11/16/96	Slide in pmpg unit, RD.  700# on tbg, 400# on csg. Flow well 4 hrs, rec 80 BO, 45 BW, total fluid rec 135 bbls, 70% oil cut.  Pump 50 bbls treated prod water down tbg, kill well. RIH, set TAC @ 9327', SN 9225', xo to rods, ND BOPs. PU 134" pump, test pump. RIH, set pump @ 9225', fill tbg w/2 bbls treated prod water, test to 1000#. SDFN, leave well open to treater. High wind all day, trouble running rods. Flwd 57 BO, 88 BW, 16 MCF overnight.  CC: \$97,269.
11/17/96	Well on prod.  RD, clean location. SD. Bad weather, now storm, roads too slick to move rig.  CC: \$99,284.  Pmpd 89 BO, 371 BW, 49 MCF, 4.2 SPM, 20 hrs.
11/18/96	Pmpd 109 BO, 175 BW, 241 MCF, 4.7 SPM, 24 hrs. Will run dyno 11/19.
11/19/96	Pmpd 111 BO, 71 BW, 206 MCF, 4.7 SPM, 24 hrs. Ran dyno, FL @ 2036' (SN @ 9250'), PE = 54%, struc-81%, gear box-41%, rod-82%.
11/20/96	Pmpd 131 BO, 67 BW, 222 MCF, 4.7 SPM, 24 hrs.
11/21/96	Pmpd 97 BO, 64 BW, 208 MCF, 4.7 SPM, 24 hrs.
11/22/96	Pmpd 65 BO, 191 BW, 123 MCF, 4.7 SPM/24 hrs.
11/23/96	Pmpd 55 BO, 60 BW, 120 MCF, 4.7 SPM/24 hrs.
11/24/96	Pmpd 71 BO, 57 BW, 104 MCF, 4.7 SPM/24 hrs. Well pmpd off. Prior Prod: 11 BO, 70 BW, 32 MCF. FINAL REPORT.

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drift new wells, significantly deepen existing wells below current bottom-hole depth, reente drift horizontal faterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER:  Exhibit "A"
3. ADDRESS OF OPERATOR.	9. API NUMBER:  NUMBER:  10. FIELD AND POOL, OR WILDCAT:  -789-4433  COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF N	OTICE, REPORT, OR OTHER DATA
	FACTION
NOTICE OF INTENT (Submilt in Duplicate)  Approximate date work will start:  Approximate date work will start:  CASING REPAIR  CHANGE TO PREVIOUS PLANS  DEEPEN  PRACTURE TREAT  NEW CONSTRUCTION  OPERATOR CHANGE	
CHANGE TUBING PLUG AND ABANDO  SUBSEQUENT REPORT (Submit Original Form Only)  Dale of work completion:  CHANGE WELL NAME PRODUCTION (STATE)  CHANGE WELL STATUS PRODUCTION (STATE)  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF N	VENT OR FLARE  WATER DISPOSAL  RT/RESUME)  WATER SHUT-OFF
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including a As a result of the merger between The Coastal Corposubsidary of El Paso Energy Corporation, the name of has been changed to El Paso Production Oil & Gas Co	ration and a wholly owned f Coastal Oil & Gas Corporation
SIGNATURE DATE DATE DE LE Paso Production Oil & Gas Company	Vice President
MAME (PLEASE PRIMIT)	Vice President

JUN \* 9 2001

RECEIVED

(This space for State use only)

## Office of the Secretary of State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

10 4 2001

DIVISION OF DIL GAS AND MINING



Darriet Smith Windson Harriet Smith Windson, Secretary of State

AUTHENTICATION: 1061007

DATE: 04-03-01

0610204 8100

010162788

#### CERTIFICATE OF AMENDMENT

#### OF

#### CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

David L. Siddall Vice President

Attest:

ret E. Roark, Assistant Secretary

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

IUN 19 2001

### OPERATOR CHANGE WORKSHEET

#### 

Enter date after each listed item is completed

Change of Operator (Well Sold)

The operator of the well(s) listed below has changed, effective:

Designation of Agent

Operator Name Change (Only)

X Merger

3-09-2001

			TDO (1)				
FROM: (Old Operator):			,	w Operator):			
COASTAL OIL & GAS CORPORATION				PRODUCTIO:			
Address: 9 GREENWAY PLAZA STE 2721			Address:	9 GREENWA	Y PLAZA	STE 2721	RM 29751
HOUSTON, TX 77046-0995			HOUSTO	N, TX 77046-0	995		
Phone: 1-(713)-418-4635			Phone:	1-(832)-676-4	721		
Account N0230			Account	N1845			<u></u>
	CA No.		Unit:				
WELL(S)							
		API	ENTITY	SEC TWN	LEASE	WELL	WELL
NAME		NO	NO	RNG	TYPE	TYPE	STATUS
BROTHERSON 1-22B4		43-013-30227	1780	22-02S-04W	FEE	OW	P
BROTHERSON 2-22B4		43-013-31086	1782	22-02S-04W	FEE	OW	P

		API	ENTITY	SEC TWN	LEASE	WELL	WELL
NAME		NO	NO	RNG	TYPE	TYPE	STATUS
BROTHERSON 1-22B4		43-013-30227	1780	22-02S-04W	FEE	OW	P
BROTHERSON 2-22B4		43-013-31086	1782	22-02S-04W	FEE	OW	P
BROTHERSON 1-23B4R		43-013-30483	8423	23-02S-04W	FEE	OW	P
BROTHERSON 3-23B4		43-013-31289	11141	23-02S-04W	FEE	OW	P
BROTHERSON 1-24B4		43-013-30229	1865	24-02S-04W	FEE	OW	P
BROTHERSON 1-25B4		43-013-30668	9126	25-02S-04W	FEE	OW	P
BROTHERSON 1-26B4		43-013-30336	1856	26-02S-04W	FEE	OW	P
BROTHERSON 1-27B4		43-013-30185	4735	27-02S-04W	FEE	OW	P
BLEAZARD 2-28B4	(CA 96-81)	43-013-31304	11433	28-02S-04W	FEE	OW	P
YOUNG ETAL 1-29B4		43-013-30246	1791	29-02S-04W	FEE	OW	P
WEIKART 2-29B4		43-013-31298	11332	29-02S-04W	FEE	OW	P
LAWRENCE 1-30B4		43-013-30220	1845	30-02S-04W	FEE	OW	P
YOUNG 2-30B4		43-013-31366	11453	30-02S-04W	FEE	OW	P
CHRISTMAN BLANN 1-31		43-013-30198	4745	31-02S-04W	FEE	OW	P
GRIFFITHS 1-33B4	(CA 96-119)	43-013-30288	4760	33-02S-04W	FEE	OW	P
BELCHER 2-33B4	(CA 96-119)	43-013-30907	9865	33-02S-04W	FEE	OW	P
TEW 1-1B5		43-013-30264	1870	01-02S-05W	FEE	OW	P
MILES 2-1B5		43-013-31257	11062	02-02S-05W	FEE	OW	P
POTTER 1-2B5		43-013-30293	1826	02-02S-05W	FEE	OW	P
BROTHERSON 2-2B5		43-013-31302	11342	02-02S-05W	FEE	OW	P

#### OPERATOR CHANGES DOCUMENTATION

וט	PERATOR CHANGES DOCUMENTATION		
۱.	(R649-8-10) Sundry or legal documentation was received from the <b>FORMER</b> operator on:	06/19/2001	
	(R649-8-10) Sundry or legal documentation was received from the <b>NEW</b> operator on: The new company has been checked through the <b>Department of Commerce</b> , <b>Division of Commerce</b> ,	06/19/2001 porations Database on:	06/21/2001
1.	Is the new operator registered in the State of Utah:  YES  Business Number	608186-0143	

5.	If <b>NO</b> , the operator was contacted contacted on: $\frac{N/A}{}$
6.	Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on:  N/A
7.	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on:  N/A
8.	Federal and Indian Communization Agreements ("CA"): The BLM or the BIA has approved the operator change for all wells listed involved in a CA on:  N/A
9.	Underground Injection Control ("UIC") The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  N/A
$\overline{\mathbf{D}}$	ATA ENTRY:
1.	Changes entered in the Oil and Gas Database on:  07/05/2001
2.	Changes have been entered on the <b>Monthly Operator Change Spread Sheet on:</b> 07/05/2001
3.	Bond information entered in RBDMS on: 06/20/2001
4.	Fee wells attached to bond in RBDMS on: 07/05/2001
$\overline{S}$	ATE BOND VERIFICATION:
1.	State well(s) covered by Bond No.:  N/A
FI	E WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:
	(R649-3-1) The <b>NEW</b> operator of any fee well(s) listed has furnished a bond:  400JU0708
2.	The <b>FORMER</b> operator has requested a release of liability from their bond on: The Division sent response by letter on:  COMPLETION OF OPERATOR CHANGE  N/A
3.	(R649-2-10) The <b>FORMER</b> operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:  COMPLETION OF OPERATOR CHANGE
	LMING: All attachments to this form have been MICROFILMED on: 3/15/01
	LING:
	ORIGINALS/COPIES of all attachments pertaining to each individual well have been filled in each well file on:
CC Pro	MMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso duction Oil and Gas Company shall be retained in the "Operator Change File".

## Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

ROUTING 1. DJJ 2. CDW

Change of Operator (Well Sold)

#### X Operator Name Change

The operator of the well(s) listed below has changed, effective:	7/1/2006					
FROM: (Old Operator):	TO: ( New Operator):					
N1845-El Paso Production O&G Company	N3065-El Paso E&P Company, LP					
1001 Louisiana Street	1001 Louisiana Street					
Houston, TX 77002	Houston, TX 77002					
Phone: 1 (713) 420-2300	Phone: 1 (713) 420-2131					
CA No.	Unit:					
OPERATOR CHANGES DOCUMENTATION Enter date after each listed item is completed						
1. (R649-8-10) Sundry or legal documentation was received from th	e FORMER operator on: 7/5/2006					
2. (R649-8-10) Sundry or legal documentation was received from th						
3. The new company was checked on the <b>Department of Commerce</b>						
	Business Number: 2114377-0181					
5. If <b>NO</b> , the operator was contacted contacted on:						
6a. (R649-9-2)Waste Management Plan has been received on:	requested 7/18/06					
6b. Inspections of LA PA state/fee well sites complete on:	ok					
6c. Reports current for Production/Disposition & Sundries on:	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					
7. Federal and Indian Lease Wells: The BLM and or the	BIA has approved the merger, name change,					
or operator change for all wells listed on Federal or Indian leases						
8. Federal and Indian Units:						
The BLM or BIA has approved the successor of unit operator for						
9. Federal and Indian Communization Agreements (	"CA"):					
The BLM or BIA has approved the operator for all wells listed	within a CA on:					
10. Onderground injection control ( 010 )	ivision has approved UIC Form 5, <b>Transfer of Authority to</b> water disposal well(s) listed on: 7/14/2006					
Inject, for the enhanced/secondary recovery unit/project for the v	water disposal well(s) listed on: 7/14/2000					
DATA ENTRY:						
1. Changes entered in the Oil and Gas Database on:	7/19/2006					
2. Changes have been entered on the Monthly Operator Change S	<b>Spread Sheet on:</b> 7/19/2006					
3. Bond information entered in RBDMS on:	7/19/2006					
4. Fee/State wells attached to bond in RBDMS on:	7/19/2006					
5. Injection Projects to new operator in RBDMS on:	7/19/2006					
6. Receipt of Acceptance of Drilling Procedures for APD/New on:	7/5/2006					
BOND VERIFICATION:						
Federal well(s) covered by Bond Number:	103601420					
2. Indian well(s) covered by Bond Number:	103601473					
3. (R649-3-1) The <b>NEW</b> operator of any fee well(s) listed covered						
a. The FORMER operator has requested a release of liability from the	heir bond on:n/a applicable wells moved					
The Division sent response by letter on: n/a						
LEASE INTEREST OWNER NOTIFICATION:	1 1's family last a latter from the Division					
4. (R649-2-10) The <b>FORMER</b> operator of the fee wells has been co	on: 7/20/2006					
of their responsibility to notify all interest owners of this change of	<u>112012000</u>					
COMMENTS:						

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING							SE DESIGNATION AND SERIAL NUMBER: LTIPLE LEASES
	SUNDRY	NOTICES AND R	EPORTS O	N WELI	LS	6. IF IN	IDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this	s form for proposels to drill r	7. UNI	T or CA AGREEMENT NAME:				
1. TYPE OF W		eterals. Use APPLICATION FOR PER	OTHER	such proposal			L NAME and NUMBER: EATTACHED
2. NAME OF OPERATOR: EL PASO PRODUCTION OIL AND GAS COMPANY \$\lambda / 1845\$							NUMBER:
		OIL AND GAS COMPA	ANY //	840	PHONE NUMBER:	40 515	ELD AND POOL, OR WILDCAT:
	OF OPERATOR: EGUNDO AVÉ NE	ALBUQUERQUE	NM 871	13	(505) 344-9380	1.74%	E ATTACHED
4. LOCATION		310 3300					LUNITALI A DI IOLIFONE
FOOTAGES	AT SURFACE: SEE #	ATTACHED				COUNT	ry: UINTAH & DUCHESNE
QTR/QTR, S	SECTION, TOWNSHIP, RAN	IGE, MERIDIAN:				STATE	UTAH
11.	CHECK APP	ROPRIATE BOXES TO	INDICATE N	ATURE (	OF NOTICE, REPO	ORT, O	R OTHER DATA
TYPE C	F SUBMISSION		1,11,12,12	TY	PE OF ACTION		
NOTICE	E OF INTENT	ACIDIZE		DEEPEN			REPERFORATE CURRENT FORMATION
•	nit in Duplicate)	ALTER CASING		FRACTURE '		님	SIDETRACK TO REPAIR WELL
Approxin	nate date work will start:	CASING REPAIR		NEW CONST			TEMPORARILY ABANDON
0	<del></del>	CHANGE TO PREVIOUS PL	ANS [2]	OPERATOR PLUG AND A		L-J	TUBING REPAIR VENT OR FLARE
☐ SUBSE	QUENT REPORT	CHANGE TUBING  CHANGE WELL NAME	님	PLUG BACK			WATER DISPOSAL
	mit Original Form Only)	CHANGE WELL STATUS			N (START/RESUME)		WATER SHUT-OFF
Date of v	work completion:	COMMINGLE PRODUCING	FORMATIONS		ON OF WELL SITE	H	OTHER: CHANGE OF
: C-111		CONVERT WELL TYPE	ă	RECOMPLET	TE - DIFFERENT FORMATION	_	OPERATOR
		OMPLETED OPERATIONS. CH					PERATOR) HAS
TRANSF 2006 AN	ERRED ITS OPI	ERATORSHIP TO EL F O E&P COMPANY, L.F	ASO E&P CO	MPANY,	L.P. (NEW OPERA	ATOR)	EFFECTIVE JUNE 30, July
FOR THE	E OPERATIONS H STATEWIDE B	Y, L.P. IS RESPONSIB CONDUCTED UPON I BLANKET BOND NO. 4 IREAU OF INDIAN AFF	LEASED LANI 00JU0705, BU	OS. BON REAU O	ID COVERAGE IS F LAND MANAGE	PROVI MENT	DED BY THE STATE
1001 Lo Houston	ouisiana n, TX 77002	any, L. P. №3					
لم Willia	Jeliam M. Griffi	n, Sr. Vice Presi	dent				
NAME (PLEAS	E PRINT) CHERYL	CAMERON			AUTHORIZED I	REGUL	ATORY AGENT
SIGNATURE	Thuyl (	James		DATE	6/20/2006		
(This space for S	itate use only)  A DDD \(\Omega\)	ED 71/9100	io	talines mans 15. mar	- sayer same and		RECEIVED
	C. A	ED <u>7/19/00</u> e Russill	-				
	Carlin	e Russill					JUL 0 5 2006

(5/2000)

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician (See Instructions on Reverse Side)

JUL 0 5 2006

DIV. OF OIL, GAS & MINING

FORM 9

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL GAS AND MINING

	•	011111	•
DESIGNATION AND SERIAL NU	ME	BER:	

DIVISION OF C	5. LEASE DESIGNATION AND SERIAL NUMBER:			
SUNDRY NOTICES A	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill new wells, significantly de drill horizontal laterals. Use APPLICATIO	7. UNIT OF CA AGREEMENT NAME:			
1. TYPE OF WELL OIL WELL GAS WE	ELL OTHER		8. WELL NAME and NUMBER: CHRISTMAN BLANN 1-31	——— В4
2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.			9. API NUMBER: 4301330198	
3. ADDRESS OF OPERATOR:	CO 80202	PHONE NUMBER: (303) 291-6400	10. FIELD AND POOL, OR WILDCAT:  ALTAMONT	
1099 18TH ST, STE 1900 CITY DENVER  4. LOCATION OF WELL	STATE CO ZIP 80202	(303) 291-0400	ALTAMON	
FOOTAGES AT SURFACE: 1257' FNL, 1552' FEL			COUNTY: DUCHESNE	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWI	NE 31 2S 4W		STATE: UTAH	
11. CHECK APPROPRIATE BO	XES TO INDICATE NATURE	OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION		YPE OF ACTION		
NOTICE OF INTENT	DEEPEN		REPERFORATE CURRENT FORM	ATION
(Submit in Duplicate) ALTER CASING			SIDETRACK TO REPAIR WELL	
Approximate date work will start: CASING REPAI			TEMPORARILY ABANDON	
CHANGE TO PI	REVIOUS PLANS OPERATOR	CHANGE	TUBING REPAIR	
CHANGE TUBII	NG PLUG AND	ABANDON	VENT OR FLARE	
✓ SUBSEQUENT REPORT ☐ CHANGE WELL (Submit Original Form Only)	NAME PLUG BACK	(	WATER DISPOSAL	
Date of work completion:	STATUS PRODUCTION	ON (START/RESUME)	WATER SHUT-OFF	
	RODUCING FORMATIONS RECLAMAT	ION OF WELL SITE	OTHER:	
CONVERT WEI	LL TYPE	TE - DIFFERENT FORMATION		
12. DESCRIBE PROPOSED OR COMPLETED OPERAT	TIONS. Clearly show all pertinent details in	cluding dates, depths, volume	es, etc.	
OPERATOR PERFORMED THE FOLLO	WING WORK TO THE SUBJE	CT WELL BETWEE	N 7/18/2008 AND 8/6/2008:	
POOH W/ RODS AND TBG. RIH AND S SAND. TOP OF CMT @ 9290'. PRESS T	TEST TO 1500 PSI, GOOD.		IMP BAIL 10' CMT ON TOP (	)F
RIH W/ TBG AND PKR. SET PKR @ 855 PUMP 5000 GAL 15% HCL ACID, FRAC			OPTIPROP	
RELEASE PKR. TIH W/ 7" CBP AND SE				<b>5</b> ',
8024'-8333' AND 8347'-8673'. SET PKR	@ 7688'. TEST PKR TO 1000	PSI, GOOD.		
PUMP 5000 GAL 15% HCL ACID. FRAC				~D
RELEASE PKR @ 7688'. TAGGED SAN AND WASHED OUT TO TOC @ 9290'. I	ID @ 8575'. WASH SAND, CIR RIH W/ 2-7/8" TRG_SET TAC	©ULATE CLEAN AN ₱ 7586' W/ 20K TEN	NO DRILL OUT CBP. DRILLE JSION RIH W/PIJMP STRO	:U )KF
TEST TO 1000 PSI, GOOD.	CITYW Z-110 TBG. GET TAG	@ 7000 VV 2010 1210	101014. TAIL 1117 TOME . 01114	/\C_
RETURN WELL TO PRODUCTION ON	8/6/2008.			
NAME (PLEASE DRINT) LISA PRETZ		ENGINEERING 1	TECH	
NAME (PLEASE PRINT) LISA FILIZ	TITL	·		
SIGNATURE Man / rest	DAT	8/28/2008		

(This space for State use only)

**RECEIVED** SEP 0 9 2008

## Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING	
CDW	

X - Change of Operator (Well Sold)			Operator Name Change/Merger					
The operator of the well(s) listed below has changed, effective:			6/1/2012					
FROM: (Old Operator):				TO: ( New Or	perator):			
N3065- El Paso E&P Company, L.P.				N3850- EP Ene		ompany, L.P.		
1001 Louisiana Street				1001 Louisiana		, , , , , ,		
Houston, TX. 77002				Houston, TX. 7				
<b>]</b>				,				
Phone: 1 (713) 997-5038				Phone: 1 (713)	997-5038			
CA No.				Unit:	T	N/A		<u>-</u>
WELL NAME	SEC	TWN R	NG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List					<u> </u>	<u> </u>		
OPERATOR CHANGES DOCUMENT Enter date after each listed item is completed  1. (R649-8-10) Sundry or legal documentation wa 2. (R649-8-10) Sundry or legal documentation wa 3. The new company was checked on the Depart 4a. Is the new operator registered in the State of U 5a. (R649-9-2) Waste Management Plan has been re 5b. Inspections of LA PA state/fee well sites comp 5c. Reports current for Production/Disposition & S	as recoment  Jtah: eccive	eived from eived from of Comme ed on:	the	NEW operator	on: orporations	6/25/2012 6/25/2012 Database on: 2114377-0181		6/27/2012
6. Federal and Indian Lease Wells: The BL			IA h		- e merger, na	me change.		
or operator change for all wells listed on Feder					BLM	N/A	BIA	Not Received
7. Federal and Indian Units:						-		
The BLM or BIA has approved the successor	r of m	nit operato	r for	wells listed on		N/A		
					•	- IVA	•	
_		-				N/A		
The BLM or BIA has approved the operator					Comm 5 Tron			
9. Underground Injection Control ("UIC"			_	_				<b>C1</b>
Inject, for the enhanced/secondary recovery ur	nit/pro	oject for th	ie wa	iter disposal we	il(s) listed o	n: Sec	cond Oper	Cng
DATA ENTRY:								
1. Changes entered in the Oil and Gas Database			_	6/29/2012	_			
2. Changes have been entered on the Monthly O	perat	or Chang	e Sp			6/29/2012	•	
3. Bond information entered in RBDMS on:				6/29/2012	_			
4. Fee/State wells attached to bond in RBDMS or				6/29/2012	_			
5. Injection Projects to new operator in RBDMS		DD 0.1		6/29/2012	-			
6. Receipt of Acceptance of Drilling Procedures i	or Al	PD/New of	n:		N/A	_		
BOND VERIFICATION:								
1. Federal well(s) covered by Bond Number:				103601420	_			
2. Indian well(s) covered by Bond Number:	_			103601473		4007770707		
3a. (R649-3-1) The NEW operator of any state/fe	e wel	ll(s) listed	cov	ered by Bond N	umber	400JU0705	-	
3b. The <b>FORMER</b> operator has requested a releas	se of l	iability fro	om tl	neir bond on:	N/A			
LEASE INTEREST OWNER NOTIFIC 4. (R649-2-10) The NEW operator of the fee wells	s has l	been conta						
of their responsibility to notify all interest owne	rs of	this chang	e on	•	6/29/2012			
COMMENTS:								
Disposal and Injections wells will be moved wh	ien U	IC 5 is re	ceiv	ed.				

## STATE OF UTAH PARTMENT OF NATURAL RESOURCES

	DIVISION OF OIL				5. LEASE DESIGNATION AND SERIAL	NUMBER:
CUNDDY	/ NOTICES AN	ID BEDODI	TO ON WEL	1.6	Multiple Leases  6. IF INDIAN, ALLOTTEE OR TRIBE NA	ME:
SUNDKI	Y NOTICES AN	ND REPUR	12 ON WEL	LS	7 LINUT CA ACREEMENT NAME.	
Do not use this form for proposals to drill r drill horizontal k	new wells, significantly deepe aterals. Use APPLICATION	en existing wells below of FOR PERMIT TO DRILL	current bottom-hole dept L form for such proposa	th, reenter plugged wells, or to is.	7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL OIL WELL	☑ GAS WELI	OTHER			WELL NAME and NUMBER:     See Attached	
2. NAME OF OPERATOR:			· · · ·		9. API NUMBER:	<u> </u>
El Paso E&P Company, L	P.	A	Attn: Maria Go	···-		
3. ADDRESS OF OPERATOR: 1001 Louisiana	y Houston	STATE TX	<sub>1P</sub> 77002	PHONE NUMBER: (713) 997-5038	10. FIELD AND POOL, OR WILDCAT: See Attached	
4. LOCATION OF WELL		0.771 <u>g</u>		<del></del>		
FOOTAGES AT SURFACE: See A	Attached				COUNTY:	
QTR/QTR, SECTION, TOWNSHIP, RAN	NGE, MERIDIAN:				STATE: UTAH	
11. CHECK APP	ROPRIATE BOXI	ES TO INDICA	TE NATURE	OF NOTICE, REPO	ORT, OR OTHER DATA	
TYPE OF SUBMISSION			T	YPE OF ACTION		
NOTICE OF INTENT	ACIDIZE		DEEPEN		REPERFORATE CURRENT FO	PRMATION
(Submit in Duplicate)	ALTER CASING		FRACTURE	TREAT	SIDETRACK TO REPAIR WEL	L
Approximate date work will start:	CASING REPAIR		MEW CONS		TEMPORARILY ABANDON	
	CHANGE TO PRE	VIOUS PLANS	☐ OPERATOR		TUBING REPAIR	
SUBSEQUENT REPORT	CHANGE TUBING  CHANGE WELL N	A B4E	PLUG AND			
(Submit Original Form Only)	CHANGE WELL ST		_	ON (START/RESUME)	WATER SHUT-OFF	
Date of work completion:		DUCING FORMATIONS	=	ION OF WELL SITE	OTHER: Change of	
	CONVERT WELL		=	TE - DIFFERENT FORMATION	Nome/Onero	tor
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIO	NS. Clearly show al	l pertinent details inc	cluding dates, depths, volum	mes, etc.	
					es to EP Energy E&P Comp	anv. L.P.
					ed the new operator of the	
ED E	D :	المطافعة المسامعة		ditions of the lease	(a) fan tha an antiona aond.	ام مغم
					(s) for the operations condund No. 400JU0705, Bureau	
Management Nationwide						
4 .	_			1		
March 10	2			Luci	2/10	
Frank W. Faller				Frank W. Falleri		
Vice President				Sr. Vice President		
El Paso E&P Company, L	P.			EP Energy E&P C	company, L.P.	
			<del></del>			
NAME (PLEASE PRINT) Maria S. (	Gomez		TITU	Principal Regula	atory Analyst	
SIGNATURE MAYOR	H. Borrer	S	DAYI	6/22/2012		
This space for State use only)				RE	CEIVED	
APPROVED _	, /29/201	2			. 2 5 2012	
7	حر غنب عدلا	<del></del>		JUN	2 5 2012	

Division of Oil, Gas and Mining

Earlene Russell, Engineering Technician

Rachel Medim

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

							Well	Well	
Well Name	Sec	TWP	RNG	<b>API Number</b>	<b>Entity</b>	Lease Type	Type	Status	Conf
DWR 3-17C6	17	0308	060W	4301350070		14204621118	OW	APD	С
LAKEWOOD ESTATES 3-33C6	33	0308	060W	4301350127		1420H621328	OW	APD	С
YOUNG 3-15A3	15	I		4301350122		FEE	OW	APD	С
WHITING 4-1A2	01			4301350424		Fee	OW	APD	С
EL PASO 4-34A4	34			4301350720		Fee	ow	APD	C
YOUNG 2-2B1	02			4304751180		FEE	ow	APD	C
LAKE FORK RANCH 3-10B4	10			4301350712	19221		OW	DRL	C
LAKE FORK RANCH 4-26B4	26			4301350712			OW	DRL	C
							OW	DRL	C
LAKE FORK RANCH 4-24B4	24	1		4301350717					
Cook 4-14B3	14			4301351162			OW	DRL	C
Peterson 4-22C6	22			4301351163			OW	DRL	С
Lake Fork Ranch 4-14B4	14			4301351240			OW	DRL	С
Melesco 4-20C6	20			4301351241			OW	DRL	С
Peck 3-13B5	13			4301351364			OW	DRL	С
Jensen 2-9C4	09			4301351375			OW	DRL	С
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	С
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERHANSLY 2-2A1	02	0108	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15			4301351433		14-20-H62-4724		NEW	С
Lake Fork Ranch 5-23B4	23			4301350739		Fee	ow	NEW	<del></del>
Duchesne Land 4-10C5	10			4301351262		Fee	OW	NEW	С
Cabinland 4-9B3	09			4301351374		Fee	OW	NEW	C
			<u> </u>	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02								C
Golinski 4-24B5	24			4301351404		Fee	OW	NEW	
Alba 1-21C4	21			4301351460		Fee	OW	NEW	С
Allison 4-19C5	19			4301351466		Fee	OW	NEW	С
Seeley 4-3B3	03			4301351486		Fee	OW	NEW	С
Allen 4-25B5	25			4301351487		Fee	OW	NEW	С
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	С
Young 2-7C4	07	0308	040W	4301351500		Fee	OW	NEW	С
Brighton 3-31A1E	31	0108	010E	4304752471		Fee	OW	NEW	С
Hamaker 3-25A1	25			4304752491		Fee	OW	NEW	С
Bolton 3-29A1E	29			4304752871		Fee	OW	NEW	С
HORROCKS 5-20A1	20			4301334280	17378		OW	OPS	C
DWR 3-19C6	19					14-20-462-1120		P	<del></del>
						14-20-462-1131		P	<del> </del>
DWR 3-22C6						14-20-462-1323		P	
DWR 3-28C6								P	+
UTE 1-7A2						14-20-462-811	OW		<del></del>
UTE 2-17C6	17	I				14-20-H62-1118	<del></del>	P	<del></del>
WLR TRIBAL 2-19C6	19	L		1		14-20-H62-1120	<del></del>	Р	
CEDAR RIM 10-A-15C6	15					14-20-H62-1128		Р	
CEDAR RIM 12A	28	0308	060W	4301331173	10672	14-20-H62-1323	OW	Р	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	Р	
TAYLOR 3-34C6	34	0308	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34					14-20-H62-1329	OW	Р	
UTE 3-35Z2 K		<del></del>	<del></del>			14-20-H62-1614	<del></del>	Р	1
UTE 1-32Z2	32					14-20-H62-1702		Р	
UTE TRIBAL 1-33Z2	33		<del></del>	4301330334		14-20-H62-1703		P	+
						14-20-H62-1703	<del></del>	P	
UTE 2-33Z2				<del></del>				P	
UTE TRIBAL 2-34Z2	34	4		<u> </u>		14-20-H62-1704			+
LAKE FORK RANCH 3-13B4	13					14-20-H62-1743		P	
UTE 1-28B4	28			4301330242		14-20-H62-1745	<del></del>	P	<u> </u>
UTE 1-34A4	34	·		4301330076		14-20-H62-1774		Р	
	26	0108	04010	4301330069	1580	14-20-H62-1793	OW	Р	
UTE 1-36A4	36	0103	OTOVV	730 1330003	1000	11 LO 1102 1700	<u> </u>		
UTE 1-36A4 UTE 1-1B4	01			4301330129		14-20-H62-1798		P	

LITE 4 OFAO	25	0400	02014	4204220270	1000	44 00 HG2 4902	OVA	Р	
UTE 1-25A3 UTE 2-25A3	25 25			4301330370		14-20-H62-1802 14-20-H62-1802	<u> </u>	P	
UTE 1-26A3	26	<del> </del>		4301331343		14-20-H62-1803	<del>}</del>	P	<del> </del>
UTE 2-26A3	26					14-20-H62-1803		P	
UTE TRIBAL 4-35A3		1	1			1420H621804	OW	Р	С
	35			L	i	14-20-H62-1804		P	<u></u>
UTE 2-35A3	35								<del> </del>
UTE 3-35A3	35					14-20-H62-1804	<del></del>	Р	ļ
UTE 1-6B2	06			4301330349		14-20-H62-1807	<del></del>	P	
UTE 2-6B2	06					14-20-H62-1807		P	
UTE TRIBAL 3-6B2	06					14-20-H62-1807		P	С
POWELL 4-19A1	19			4301330071		14-20-H62-1847		Р	ļ
COLTHARP 1-27Z1	27			4301330151		14-20-H62-1933	<del></del>	P	<b></b>
UTE 1-8A1E	08		L	4304730173		14-20-H62-2147		Р	
UTE TRIBE 1-31	31			4301330278		14-20-H62-2421		Ρ	ļ
UTE 1-28B6X	28					14-20-H62-2492		Р	
RINKER 2-21B5	21					14-20-H62-2508		Р	
MURDOCK 2-34B5	34					14-20-H62-2511		Р	
UTE 1-35B6	35			4301330507		14-20-H62-2531		Р	
UTE TRIBAL 1-17A1E	17	1 -		4304730829	1	14-20-H62-2658		Р	
UTE 2-17A1E	17	0108	010E	4304737831	16709	14-20-H62-2658	OW	Р	
UTE TRIBAL 1-27A1E	27	0108	010E	4304730421	800	14-20-H62-2662	OW	Р	
UTE TRIBAL 1-35A1E	35	0108	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	0108	010E	4304730820	850	14-20-H62-2717	OW	Р	ļ ·
UTE TRIBAL P-3B1E	03			4304730190		14-20-H62-2873		Р	
UTE TRIBAL 1-22A1E	22			4304730429		14-20-H62-3103		Р	ļ
B H UTE 1-35C6	35					14-20-H62-3436		Р	<u> </u>
BH UTE 2-35C6	35					14-20-H62-3436		Р	<u></u>
MCFARLANE 1-4D6	04					14-20-H62-3452		Р	<b>†</b>
UTE TRIBAL 1-11D6	11			4301330482		14-20-H62-3454	<del></del>	P	<del> </del>
CARSON 2-36A1	36			4304731407	4	14-20-H62-3806		P	<del> </del>
UTE 2-14C6	14			4301330775		14-20-H62-3809	<del>+</del>	P	<del> </del>
DWR 3-14C6	14				1	14-20-H62-3809		P	
THE PERFECT "10" 1-10A1	10		L	4301330935		14-20-H62-3855		P	
BADGER-SAM H U MONGUS 1-15A1	15			4301330949		14-20-H62-3860		P	
MAXIMILLIAN-UTE 14-1	14			4301330726		14-20-H62-3868		<u>.</u> Р	-
FRED BASSETT 1-22A1	22			4301330781		14-20-H62-3880	1	P	t
UTE TRIBAL 1-30Z1	30					14-20-H62-3910		P	
UTE LB 1-13A3	13			4301330894		14-20-H62-3980		P	<del> </del>
	22					14-20-H62-4614		P	ļ
UTE 2-22B6 UINTA OURAY 1-1A3						14-20-H62-4664		P	<del> </del>
	01					14-20-H62-4752		P	<u> </u>
UTE 1-6D6	06					1420H624801		P	<del></del>
UTE 2-11D6	11			ļ			OW		<del> </del>
UTE 1-15D6	15					14-20-H62-4824		P	<u> </u>
UTE 2-15D6	15					14-20-H62-4824		P	
HILL 3-24C6	24					1420H624866	OW	P	С
BARCLAY UTE 2-24C6R	24			L		14-20-H62-4866		P	<del> </del>
BROTHERSON 1-2B4	02			4301330062		FEE	OW	P	ļ
BOREN 1-24A2	24			4301330084		FEE	OW	Р	
FARNSWORTH 1-13B5	13			4301330092		FEE	OW	Р	
BROADHEAD 1-21B6	21			4301330100		FEE	OW	P	<del> </del>
ASAY E J 1-20A1	20	- <del></del>		4301330102		FEE	OW	Р	ļ
HANSON TRUST 1-5B3	05			4301330109		FEE	OW	Р	
ELLSWORTH 1-8B4	08			4301330112		FEE	OW	Р	L
ELLSWORTH 1-9B4	09			4301330118		FEE	OW	Р	
ELLSWORTH 1-17B4	17			4301330126		FEE	OW	Р	
CHANDLER 1-5B4	05	0208	040W	4301330140	1685	FEE	OW	Р	
HANSON 1-32A3	32	0108	030W	4301330141	1640	FEE	OW	Р	
JESSEN 1-17A4	17		<del></del>	4301330173		FEE	OW	P	T

LIENIKINO 4 4DO	04	0200	020\4/	4204220475	4700	ree	OW	Р
JENKINS 1-1B3	01	<u> </u>		4301330175	I	FEE FEE	OW	P
GOODRICH 1-2B3	02			4301330182	<u> </u>	FEE	OW	P
ELLSWORTH 1-19B4	19			4301330183			OW	P
DOYLE 1-10B3	10			4301330187		FEE		P
JOS. SMITH 1-17C5	17			4301330188		FEE	OW	
RUDY 1-11B3	11			4301330204		FEE	OW	P
CROOK 1-6B4	06			4301330213		FEE	OW	P
HUNT 1-21B4	21			4301330214		FEE	OW	P
LAWRENCE 1-30B4	30			4301330220	1	FEE	OW	P
YOUNG 1-29B4	29			4301330246		FEE	OW	P
GRIFFITHS 1-33B4	33	1		4301330288		FEE	OW	P
POTTER 1-2B5	02	h		4301330293		FEE	OW	P
BROTHERSON 1-26B4	26			4301330336		FEE	OW	P
SADIE BLANK 1-33Z1	33			4301330355		FEE	OW	Р
POTTER 1-24B5	24	I		4301330356		FEE	OW	P
WHITEHEAD 1-22A3	22			4301330357		FEE	OW	Р
CHASEL MILLER 2-1A2	01	1	L	4301330360		FEE	OW	Р
ELDER 1-13B2	13			4301330366	<u> </u>	FEE	OW	P
BROTHERSON 2-10B4	10			4301330443		FEE	OW	Р
FARNSWORTH 2-7B4	07	t		4301330470		FEE	OW	Р
TEW 1-15A3	15			4301330529		FEE	OW	Р
UTE FEE 2-20C5	20			4301330550	L	FEE	OW	P
HOUSTON 1-34Z1	34			4301330566		FEE	OW	Р
GALLOWAY 1-18B1	18			4301330575		FEE	OW	Р
SMITH 1-31B5	31	1		4301330577		FEE	OW	P
LEBEAU 1-34A1	34			4301330590		FEE	OW	Р
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	Р
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	Р
POWELL 1-21B1	21	0208	010W	4301330621	910	FEE	OW	Р
HANSEN 1-24B3	24	0208	030W	4301330629	2390	FEE	OW	P
OMAN 2-4B4	04	0208	040W	4301330645	9125	FEE	OW	P
DYE 1-25Z2	25			4301330659		FEE	OW	Р
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	Р
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	Р
BIRCHELL 1-27A1	27			4301330758		FEE	OW	Р
CHRISTENSEN 2-8B3	08	0208	030W	4301330780	9355	FEE	OW	Р
LAMICQ 2-5B2	05	0208	020W	4301330784	2302	FEE	OW	Р
BROTHERSON 2-14B4	14	0208	040W	4301330815	10450	FEE	OW	Р
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	Р
HORROCKS 2-20A1 V	20	0108	010W	4301330833	8301	FEE	OW	Р
BROTHERSON 2-2B4	02	0208	040W	4301330855	8420	FEE	OW	P
ELLSWORTH 2-8B4	08	L	L	4301330898		FEE	OW	Р
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	Р
BELCHER 2-33B4	33	0208	040W	4301330907	9865	FEE	OW	Р
BROTHERSON 2-35B5	35	0208	050W	4301330908	9404	FEE	OW	P
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	Р
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P
CHANDLER 2-5B4	05			4301331000			OW	P
BABCOCK 2-12B4	12	0208	040W	4301331005	10215	FEE	OW	Р
BADGER MR BOOM BOOM 2-29A1	29	0108	010W	4301331013	9463	FEE	OW	Р
BLEAZARD 2-18B4	18	020\$	040W	4301331025	1566	FEE	OW	Р
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P
ELLSWORTH 2-16B4	16			4301331046			OW	P
RUST 3-4B3	04			4301331070		FEE	OW	Р
HANSON TRUST 2-32A3	32	0108	030W	4301331072	1641	FEE	OW	Р
BROTHERSON 2-11B4	11	020\$	040W	4301331078	1541	FEE	OW	P

HANSON TRUST 2-5B3	05	0208	020/4/	4301331079	1626	FEE	OW	P	—
	15			4301331079	1	FEE	OW	P	
BROTHERSON 2-15B4								L L	4
MONSEN 2-27A3	27			4301331104		FEE	OW	P	
ELLSWORTH 2-19B4	19			4301331105		FEE	OW	P	
HUNT 2-21B4	21			4301331114		FEE	OW	P	
JENKINS 2-1B3	01			4301331117		FEE	OW	P	
POTTER 2-24B5	24			4301331118		FEE	OW	P	
POWELL 2-13A2 K	13		<del></del>	4301331120		FEE	OW	Р	
JENKINS 2-12B3	12			4301331121			OW	Р	
MURDOCK 2-26B5	26			4301331124		FEE	OW	Р	
BIRCH 3-27B5	27	.1	1	4301331126		FEE	OW	P	
ROBB 2-29B5	29			4301331130			OW	Р	
LAKE FORK 2-13B4	13			4301331134			OW	P	
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	Р	
HANSON 2-9B3	09			4301331136			OW	P	
ELLSWORTH 2-9B4	09	0208	040W	4301331138	10460	FEE	OW	P	
UTE 2-31A2	31	0108	020W	4301331139	10458	FEE	OW	Р	
POWELL 2-19A1 K	19	0108	010W	4301331149	8303	FEE	OW	Р	
CEDAR RIM 8-A	22	0308	060W	4301331171	10666	FEE	OW	Р	
POTTER 2-6B4	06	0208	040W	4301331249	11038	FEE	OW	Р	
MILES 2-1B5	01			4301331257			OW	Р	
MILES 2-3B3	03			4301331261			OW	P	
MONSEN 2-22A3	22			4301331265			OW	Р	
WRIGHT 2-13B5	13			4301331267			OW	P	
TODD 2-21A3	21			4301331296			OW	P	
WEIKART 2-29B4	29			4301331298			OW	P	
YOUNG 2-15A3	15			4301331301			OW	P	
CHRISTENSEN 2-29A4	29			4301331303			OW	P	
BLEAZARD 2-28B4	28			4301331304	+		OW	P	
REARY 2-17A3	17	L	<u> </u>	4301331304	<del></del>		OW	P	
	11			4301331316			OW	P	
LAZY K 2-11B3	<b>+</b>			4301331354	L		OW	P	
LAZY K 2-14B3	14						OW	P	
MATTHEWS 2-13B2	13			4301331357			OW	P	
LAKE FORK 3-15B4	15			4301331358			OW	P	
STEVENSON 3-29A3	29			4301331376				P	
MEEKS 3-8B3	08			4301331377			OW	•	
ELLSWORTH 3-20B4	20			4301331389			OW	P	
DUNCAN 5-13A2	13			4301331516			OW	Р	
OWL 3-17C5	17			4301332112			OW	P	
BROTHERSON 2-24 B4	24			4301332695			OW	P	
BODRERO 2-15B3	15			4301332755			OW	P	
BROTHERSON 2-25B4	25			4301332791			OW	Р	
CABINLAND 2-16B3	16			4301332914			OW	Р	···
KATHERINE 3-29B4	29			4301332923	+		OW	Р	
SHRINERS 2-10C5	10			4301333008			OW	Р	
BROTHERSON 2-26B4	26			4301333139			OW	Р	
MORTENSEN 4-32A2	32	0108	020W	4301333211	15720	FEE	OW	Р	
FERRARINI 3-27B4	27	0205	040W	4301333265	15883	FEE	OW	Р	
RHOADES 2-25B5	25	0208	050W	4301333467	16046	FEE	OW	P	
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P	
ANDERSON-ROWLEY 2-24B3	24			4301333616			OW	Р	
SPROUSE BOWDEN 2-18B1	18			4301333808	+		OW	Р	
BROTHERSON 3-11B4	11			4301333904			OW	Р	
KOFFORD 2-36B5	36			4301333988			OW	P	
ALLEN 3-7B4	07			4301334027			OW	P	No. 10 10 10 10 10 10 10 10 10 10 10 10 10
BOURNAKIS 3-18B4	18	<u> </u>	<u> </u>	4301334091	+		OW	Р	
MILES 3-12B5	12			4301334110			OW	P	
OWL and HAWK 2-31B5	31	·		4301334123	<u> </u>		OW	Р	
	<u> </u>	2200	COUTT	1001007120	1	·		<u> </u>	

OWL and HAWK 4-17C5	17	0206	OFO\A/	4301334193	17207	CEC	OW	Р	
	17 32			4301334193	<u> </u>		OW	P	<del> </del> -
DWR 3-32B5			t	L				P	<del></del>
LAKE FORK RANCH 3-22B4	22		+	4301334261			OW		ļ
HANSON 3-9B3	09			4301350065			OW	Р	ļ
DYE 2-28A1	28			4301350066			OW	Р	ļ
MEEKS 3-32A4	32			4301350069			OW	Р	<u></u>
HANSON 4-8B3	08			4301350088			OW	P	С
LAKE FORK RANCH 3-14B4	14			4301350097			OW	Р	
ALLEN 3-9B4	09			4301350123			OW	Р	<u></u>
HORROCKS 4-20A1	20	0108	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	0108	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	0308	050W	4301350190	17541	FEE	OW	Р	
ALLEN 3-8B4	08	0208	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	0308	050W	4301350193	17532	FEE	OW	P	1
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	Р	
EL PASO 4-29B5	29		+	4301350208			ow	P	C
DONIHUE 3-20C6	20			4301350270			OW	Р	1=
HANSON 3-5B3	05			4301350275			OW	Р	С
SPRATT 3-26B5	26			4301350302			OW	P	1
REBEL 3-35B5	35			4301350388			ow	P	С
FREEMAN 4-16B4	16			4301350388			OW	P	C
					L		OW	P	C
WILSON 3-36B5	36			4301350439					
EL PASO 3-21B4	21			4301350474	1		OW	P	С
IORG 4-12B3	12			4301350487			OW	P	С
CONOVER 3-3B3	03			4301350526			OW	Р	С
ROWLEY 3-16B4	16			4301350569			OW	P	С
POTTS 3-14B3	14			4301350570			OW	Р	С
POTTER 4-27B5	27			4301350571			OW	P	С
EL PASO 4-21B4	21			4301350572	·		OW	Р	С
LAKE FORK RANCH 3-26B4	26	0208	040W	4301350707	18270	Fee	OW	Р	С
LAKE FORK RANCH 3-25B4	25	0208	040W	4301350711	18220	Fee	OW	Р	С
LAKE FORK RANCH 4-23B4	23	0208	040W	4301350713	18271	Fee	OW	P	С
LAKE FORK RANCH 4-15B4	15	0208	040W	4301350715	18314	Fee	OW	Р	С
LAKE FORK RANCH 3-24B4	24	0208	040W	4301350716	18269	Fee	OW	P	С
GOLINSKI 1-8C4	08	_1		4301350986			OW	Р	С
J ROBERTSON 1-1B1	01			4304730174		FEE	OW	P	+
TIMOTHY 1-8B1E	08			4304730215		FEE	OW	Р	+
MAGDALENE PAPADOPULOS 1-34A1E	34			4304730241		FEE	OW	P	
NELSON 1-31A1E	31			4304730671		FEE	OW	P	+
ROSEMARY LLOYD 1-24A1E	24			4304730707		FEE	ow	P	+
H D LANDY 1-30A1E	30			4304730790		FEE	ow	P	
						FEE	OW	P	+
WALKER 1-14A1E	14			4304730805					ļ
BOLTON 2-29A1E	29			4304731112		FEE	OW	Р	
PRESCOTT 1-35Z1	35			4304731173		FEE	OW	P	+
BISEL GURR 11-1	11			4304731213	1	FEE	OW	Р	
UTE TRIBAL 2-22A1E	22			4304731265		FEE	OW	Р	
L. BOLTON 1-12A1	12			4304731295		FEE	OW	Р	
FOWLES 1-26A1	26	010S	010W	4304731296		FEE	OW	Р	1
BRADLEY 23-1	23	0108	010W	4304731297	8435	FEE	OW	Р	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19			4304731470		FEE	OW	Р	1
D MOON 1-23Z1	23			4304731479			OW	P	
O MOON 2-26Z1	26			4304731480			OW	P	
LILA D 2-25A1	25			4304731797			OW	P	+
LANDY 2-30A1E	30			4304731797			ow	P	+
WINN P2-3B1E	03			4304732321			ow	P	+
	<del>-  </del>			4304732321		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	OW	P	+
BISEL-GURR 2-11A1	11	·			+		+		ļ
FLYING J FEE 2-12A1	12	<u></u>	UTUVV	4304739467	10000	ree	OW	Р	

HARVEST FELLOWSHIP CHURCH 2-14B1	14		<u> </u>	4304739591			OW	Р
OBERHANSLY 3-11A1	11			4304739679			OW	Р
DUNCAN 2-34A1	34			4304739944			OW	Р
BISEL GURR 4-11A1	11			4304739961			OW	Р
KILLIAN 3-12A1	12			4304740226			OW	P
WAINOCO ST 1-14B1	14			4304730818		ML-24306-A	OW	Р
UTAH ST UTE 1-35A1	35			4304730182		ML-25432	OW	Р
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	Р
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	Р
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	Р
BLANCHARD 1-3A2	03	0108	020W	4301320316	5877	FEE	OW	PA
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA
JAMES POWELL 3	13		+	4301330024		FEE	WD	PA
BASTIAN 1 (3-7D)	07		<b></b>	4301330026		FEE	OW	PA
LAMICQ-URRUTY 1-8A2	08			4301330036		FEE	OW	PA
BLEAZARD 1-18B4	18			4301330059			OW	PA
OLSEN 1-27A4	27			4301330064		FEE	OW	PA
EVANS 1-31A4	31	1		4301330067		FEE	OW	PA
HAMBLIN 1-26A2	26		1	4301330083	L	FEE	OW	PA
HARTMAN 1-31A3	31			4301330093			OW	PA
FARNSWORTH 1-7B4	07			4301330097		FEE	ow	PA
POWELL 1-33A3	33			4301330105		FEE	ow	PA
LOTRIDGE GATES 1-3B3	03			4301330103		FEE	OW	PA
REMINGTON 1-34A3	34		L	4301330117	L	FEE	OW	PA
						FEE	OW	PA
ANDERSON 1-28A2	28			4301330150				PA
RHOADES MOON 1-35B5	35			4301330155		FEE	OW	
JOHN 1-3B2	03			4301330160		FEE	OW	PA
SMITH 1-6C5	06			4301330163		FEE	OW	PA
HORROCKS FEE 1-3A1	03			4301330171		FEE	OW	PA
WARREN 1-32A4	32			4301330174		FEE	OW	PA
JENSEN FENZEL 1-20C5	20			4301330177		FEE	OW	PA
MYRIN RANCH 1-13B4	13			4301330180		FEE	OW	PA
BROTHERSON 1-27B4	27			4301330185		FEE	OW	PA
JENSEN 1-31A5	31			4301330186		FEE	OW	PA
ROBERTSON 1-29A2	29			4301330189		FEE	OW	PA
WINKLER 1-28A3	28			4301330191		FEE	OW	PA
CHENEY 1-33A2	33			4301330202		FEE	OW	PA
J LAMICQ STATE 1-6B1	06			4301330210		FEE	OW	PA
REESE ESTATE 1-10B2	10			4301330215		FEE	OW	PA
REEDER 1-17B5	17			4301330218		FEE	OW	PA
ROBERTSON UTE 1-2B2	02			4301330225		FEE	OW	PA
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA
BROTHERSON 1-22B4	22	0208	040W	4301330227	5935	FEE	OW	PA
ALLRED 1-16A3	16	0108	030W	4301330232	1780	FEE	OW	PA
BIRCH 1-35A5	35	0108	050W	4301330233	9116	FEE	OW	PA
MARQUERITE UTE 1-8B2	08	0205	020W	4301330235	9122	FEE	OW	PA
BUZZI 1-11B2	11			4301330248			OW	PA
SHISLER 1-3B1	03			4301330249			OW	PA
TEW 1-1B5	01	+	·	4301330264			OW	PA
EVANS UTE 1-19B3	19			4301330265			OW	PA
SHELL 2-27A4	27		+	4301330266			WD	PA
DYE 1-29A1	29			4301330271			OW	PA
VODA UTE 1-4C5	04			4301330283			OW	PA
BROTHERSON 1-28A4	28			4301330292		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	OW	PA
MEAGHER 1-4B2	04			4301330292		FEE	OW	PA
NORLING 1-9B1	09			4301330315		FEE	OW	PA
	09		<del></del>	4301330316		FEE	OW	PA
S. BROADHEAD 1-9C5	UB	0303	UJUVV	490 (9909 10	JJ4U	I CL	UVV	

THACTING A GOAG	00	0400	000141	100100001	140000		10141	54
TIMOTHY 1-09A3	09			4301330321			OW	PA
BARRETT 1-34A5	34			4301330323		FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09			4301330325		FEE	OW	PA
PHILLIPS UTE 1-3C5	03			4301330333		FEE	OW	PA
ELLSWORTH 1-20B4	20			4301330351		FEE	OW	PA
LAWSON 1-28A1	28			4301330358		FEE	ow	PA
AMES 1-23A4	23			4301330375		FEE	OW	PA
HORROCKS 1-6A1	06			4301330390		FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10			4301330393		FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13			4301330478		FEE	WD	PA
BODRERO 1-15B3	15	0208	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	0308	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	0208	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	0108	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34			4301330753		FEE	OW	PA
GOODRICH 1-24A4	24			4301330760		FEE	OW	PA
CARL SMITH 2-25A4	25			4301330776		FEE	OW	PA
ANDERSON 1-A30B1	30			4301330783		FEE	OW	PA
CADILLAC 3-6A1	06			4301330834		FEE	ow	PA
MCELPRANG 2-31A1	31			4301330836		FEE	ow	PA
REESE ESTATE 2-10B2	10			4301330837		FEE	OW	PA
CLARK 2-9A3	09			4301330876		FEE	OW	PA
JENKINS 3-16A3	16			4301330877		FEE	OW	PA
CHRISTENSEN 2-26A5	26			4301330905			OW	PA
FORD 2-36A5	36			4301330903		FEE	OW	PA
MORTENSEN 2-32A2	32			4301330911		FEE	OW	PA
WILKERSON 1-20Z1	20			4301330929		FEE	OW	PA
	04			4301330942			OW	PA
UTE TRIBAL 2-4A3 S	<u> </u>							<del></del>
OBERHANSLY 2-31Z1	31			4301330970	<del></del>	FEE	OW	PA
MORRIS 2-7A3	07		<del></del>	4301330977		FEE	OW	PA
POWELL 2-08A3	08			4301330979	1		OW	PA
FISHER 2-6A3	06			4301330984			OW	PA
JACOBSEN 2-12A4	12			4301330985			OW	PA
CHENEY 2-33A2	33			4301331042	1		OW	PA
HANSON TRUST 2-29A3	29			4301331043		FEE	OW	PA
BURTON 2-15B5	15			4301331044			OW	PA
EVANS-UTE 2-17B3	17			4301331056			ow	PA
ELLSWORTH 2-20B4	<del></del>			4301331090		FEE	OW	PA
REMINGTON 2-34A3	34			4301331091			OW	PA
WINKLER 2-28A3	28			4301331109			OW	PA
TEW 2-10B5	10			4301331125			OW	PA
LINDSAY 2-33A4	33	0108	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	0108	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3				4301331505			OW	PA
SMITH 2X-23C7				4301331634			D	PA
MORTENSEN 3-32A2	32			4301331872			OW	PA
TODD USA ST 1-2B1	02			4304730167			OW	PA
STATE 1-7B1E	07			4304730180		FEE	OW	PA
BACON 1-10B1E	10			4304730881		FEE	OW	PA
PARIETTE DRAW 28-44	28			4304731408		FEE	OW	PA
REYNOLDS 2-7B1E	07			4304731840		FEE	OW	PA
STATE 2-35A2	35			4301330156	<u> </u>	ML-22874	ow	PA
UTAH STATE L B 1-11B1	11			4304730171		ML-23655	OW	PA
STATE 1-8A3	08			4301330286		ML-24316	ow	PA
UTAH FEDERAL 1-24B1	24			4304730220		ML-26079	OW	PA
	<del></del>					14-20-462-1329		S
CEDAR RIM 15	34	0305	OOUVV	4301330383	0292	14-20-402-1329	UVV	3

LUTE TOIDAL O 0407	0.4	0000	070144	4004004000	40040	44 00 1100 4405	014/		
UTE TRIBAL 2-24C7	24					14-20-H62-1135		S S	
CEDAR RIM 12	28		1		1	14-20-H62-1323			
CEDAR RIM 16	33					14-20-H62-1328		S	
SPRING HOLLOW 2-34Z3	34	l		4301330234	·	14-20-H62-1480		S	
EVANS UTE 1-17B3	17			4301330274		14-20-H62-1733		S	
UTE JENKS 2-1-B4 G	01	·		l	·	14-20-H62-1782		S	
UTE 3-12B3	12					14-20-H62-1810		S	
UTE TRIBAL 9-4B1	04			4301330194		14-20-H62-1969		S	
UTE TRIBAL 2-21B6	21	J				14-20-H62-2489		S	
UTE 1-33B6	33			4301330441				S	
UTE 2-22B5	22	1				14-20-H62-2509		S	
UTE 1-18B1E	18			4304730969			OW	S	
LAUREN UTE 1-23A3	23	0108	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	0208	060W	4301331434	11624	14-20-H62-4622		S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631		S	
CEDAR RIM 10-15C6	15	0308	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24		1	4301330298		14-20-H62-4866		S	
UTE TRIBAL FEDERAL 1-30C5	30		1	4301330475		14-20-H62-4876		S	
SMB 1-10A2	10	<del></del>		4301330012		FEE	OW	S	
KENDALL 1-12A2	12			4301330013		FEE	OW	S	
CEDAR RIM 2	20			4301330019		FEE	ow	S	
URRUTY 2-9A2	09			4301330046	1	FEE	OW	S	
BROTHERSON 1-14B4	14			4301330051		FEE	ow	S	
RUST 1-4B3	04			4301330063		FEE	ow	S	
MONSEN 1-21A3	21	1		4301330082		FEE	ow	S	
	-			4301330062		FEE	OW	S	
BROTHERSON 1-10B4	10					FEE	OW	S	
FARNSWORTH 1-12B5	12			4301330124				S	
ELLSWORTH 1-16B4	16		I	4301330192		FEE	OW		
MARSHALL 1-20A3	20			4301330193		FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31			4301330198		FEE	OW		
ROPER 1-14B3	14			4301330217		FEE	OW	S	
BROTHERSON 1-24B4	24			4301330229		FEE	OW	S	
BROTHERSON 1-33A4	33			4301330272		FEE	OW	S	
BROTHERSON 1-23B4	23			4301330483		FEE	OW	S	
SMITH ALBERT 2-8C5	08			4301330543			OW	S	
VODA JOSEPHINE 2-19C5	19			4301330553			OW	S	
HANSEN 1-16B3	16		·	4301330617	·		OW	S	
BROTHERSON 1-25B4	25			4301330668		FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	0208	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	0108	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15			4301330817		FEE	OW	S	
R HOUSTON 1-22Z1	22			4301330884		FEE	OW	S	
FIELDSTED 2-27A4	27			4301330915		FEE	OW	S	
HANSKUTT 2-23B5	23			4301330917			OW	S	
TIMOTHY 3-18A3	18			4301330940		FEE	OW	S	
BROTHERSON 2-3B4	03			4301331008			OW	S	
BROTHERSON 2-22B4	22			4301331086	<del></del>	FEE	OW	S	
MILES 2-35A4	35			4301331087			OW	S	
ELLSWORTH 2-17B4	17	+		4301331089		FEE	ow	S	
RUST 2-36A4	36			4301331092		FEE	OW	S	
EVANS 2-19B3	19			4301331092		FEE	OW	S	
	12			4301331115		FEE	OW	S	
FARNSWORTH 2-12B5		<del></del>		<del></del>			OW	S	
CHRISTENSEN 3-4B4	04	+		4301331142	<del>+</del>			S	
ROBERTSON 2-29A2	29		<u> </u>	4301331150	<del> </del>		OW	A	
CEDAR RIM 2A	20	0308	UDUVV	4301331172	100/1	rct	OW	S	

El Paso E9 Company, L.P. (N3065) to EP Energy E9 Company, L.P. (N3850) effective 6/1/2012

HARTMAN 2-31A3	31	0108	030W	4301331243	11026	FEE	OW	S
GOODRICH 2-2B3	02	020\$	030W	4301331246	11037	FEE	OW	S
JESSEN 2-21A4	21	0108	040W	4301331256	11061	FEE	OW	S
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S
MYRIN RANCH 2-18B3	18	020\$	030W	4301331297	11475	FEE	OW	S
BROTHERSON 2-2B5	02	020\$	050W	4301331302	11342	FEE	OW	S
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S
IORG 2-10B3	10	0208	030W	4301331388	11482	FEE	OW	S
MONSEN 3-27A3	27	0108	030W	4301331401	11686	FEE	OW	S
HORROCKS 2-5B1E	05	0208	010E	4304732409	11481	FEE	OW	S
LARSEN 1-25A1	25	0108	010W	4304730552	815	FEE	OW	TA
DRY GULCH 1-36A1	36	0108	010W	4304730569	820	FEE	OW	TA

#### Division of Oil, Gas and Mining

**COMMENTS:** 

#### **OPERATOR CHANGE WORKSHEET (for state use only)**

ROUTING
CDW

	K - Change of Operator (Well Sold) The operator of the well(s) listed below has change	ed, effective:	8/14/2013							
_	ROM: (Old Operator):		TO: ( New Operator):							
	850-EP Energy E&P Company, LP		N3685- Integrated Water Management, LLC							
i										
	1 Louisiana		PO BOX 430							
HO	uston, TX 77002		Altamont, UT 84001							
Pho	one: 1 (713) 997-5038		Phone: 1 (435)	464-4646						
	CA No.		Unit:	N/A						
WE	ELL NAME	SEC TWN RNG	API NO	ENTITY	LEASE TYPE	l .	WELL			
Chi	ristman-Bland 1-31B4	31 02S 04W	4301330198	<b>NO</b> 4745	Fee	TYPE OW	STATUS S			
CIII	Isulian-Diana 1-31D4	51   025   0411	4301330170	1713	100		<u> </u>			
ΛI	PERATOR CHANGES DOCUMENTA	ATION								
	ter date after each listed item is completed	XIION								
1.	(R649-8-10) Sundry or legal documentation was	received from the	FORMER one	erator on:	4/11/2013					
	(R649-8-10) Sundry or legal documentation was				4/11/2013	•				
2.							8/19/2013			
3.	The new company was checked on the <b>Departn</b> Is the new operator registered in the State of U		Business Numb		7707770-0160		0/19/2013			
4a.	(R649-9-2) Waste Management Plan has been red		Not Yet	CI.	7707770-0100	•				
				-						
	Inspections of LA PA state/fee well sites comple	N/A	-							
	Reports current for Production/Disposition & St		8/19/2013	-	1					
6.	Federal and Indian Lease Wells: The BLI					DIA.	37/4			
	or operator change for all wells listed on Federa	l or Indian leases o	on:	BLM	- N/A	BIA	_ N/A			
7.	Federal and Indian Units:									
	The BLM or BIA has approved the successor	of unit operator for	r wells listed on:	•	N/A	•				
8.	Federal and Indian Communization Agi	eements ("CA"	<b>)</b> :							
	The BLM or BIA has approved the operator for	or all wells listed w	vithin a CA on:		N/A	•				
9.	Underground Injection Control ("UIC"	) Division has ap	proved UIC F	orm 5 Tra	nsfer of Author	ity to				
	Inject, for the enhanced/secondary recovery uni	t/project for the wa	ater disposal we	ll(s) listed o	on:	N/A	_			
DA	ATA ENTRY:						_			
1.	Changes entered in the Oil and Gas Database	on:	8/19/2013							
2.	Changes have been entered on the Monthly Op			-	8/19/2013					
3.	Bond information entered in RBDMS on:		8/19/2013	_		-				
4.	Fee/State wells attached to bond in RBDMS on:		8/19/2013	_						
5.	Injection Projects to new operator in RBDMS o	n:	N/A	_						
6.	Receipt of Acceptance of Drilling Procedures for			N/A	_					
BC	OND VERIFICATION:									
1.	Federal well(s) covered by Bond Number:		N/A							
2.	Indian well(s) covered by Bond Number:		N/A	<del>-</del> -						
3a.	(R649-3-1) The <b>NEW</b> operator of any state/fee	e well(s) listed cove	ered by Bond N	umber	RLB0015241					
3b.	The <b>FORMER</b> operator has requested a release	of liability from the	neir bond on:	N/A		•				
					-					
	CASE INTEREST OWNER NOTIFIC		11.0	. 1	and Divi					
4.	(R649-2-10) The <b>NEW</b> operator of the fee wells									
	of their responsibility to notify all interest owner	s or this change on	:	8/19/2013	·					

Operator request was received 11 April 2013, however bonding was not recevied until 14 August 2013.

## RECEIVED

#### STATE OF UTAH

APR 1 1 2013

FORM 9

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

	DIVISION OF OIL, GAS AND N	MINING DIV. OF OIL, GAS & MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: #163.319.002 (FFF)
GINDD	Y NOTICES AND REPORT		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
SUNDA	I NOTICES AND REPOR	13 ON WELLS	7. UNIT or CA AGREEMENT NAME:
Do not use this form for proposals to drill drill horizontal	new wells, significantly deepen existing wells below laterals. Use APPLICATION FOR PERMIT TO DRIL	current bottom-hole depth, reenter plugged wells, or to LL form for such proposals.	
1. TYPE OF WELL OIL WELL	GAS WELL OTHER	{	8. WELL NAME and NUMBER: Christman-Bland 1-31B4
2. NAME OF OPERATOR:	N20-		9. API NUMBER:
EP Energy E&P Compan  3. ADDRESS OF OPERATOR:	y, L.P. <b>N3850</b>	PHONE NUMBER:	4301330198  10. FIELD AND POOL, OR WILDCAT:
	Houston STATE TX		Altamont
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1257'	FNL & 1552' FEL		COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN: 31 2S	4W U	STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)  Approximate date work will start:	ALTER CASING  CASING REPAIR	FRACTURE TREAT  NEW CONSTRUCTION	SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON
Approximate date work will start.	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATION	S RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR C	OMPLETED OPERATIONS. Clearly show a	all pertinent details including dates, depths, volume	es, etc.
Water Management, LLC provided by Integrated W operator agrees to be res	assumes operations for the Chater Management, LLC (bond no ponsible under the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms are the terms and continued to the terms and continued to the terms and continued to the terms and continued to the terms are the terms and continued to the terms and continued to the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the terms are the t	Energy E&P Company, L.P. relinquiristman Bland 1-31B4. Bond cover umber RUBCOIS241). Integrated onditions of the lease for operations	rage for lease activities is to be Water Management, LLC, as
NAME (PLEASE PRINT) Thomas L		TITLE Business Area M	anager
SIGNATURE	no full	DATE 3/25/2013	
(This space for State use only)	/	3	into June Brade -

APPROVED .

"Rachel Medina

#### Division of Oil, Gas and Mining

**COMMENTS:** 

#### **OPERATOR CHANGE WORKSHEET (for state use only)**

ROUTING
CDW

	K - Change of Operator (Well Sold) The operator of the well(s) listed below has change	8/14/2013					
			TO: ( New Operator):				
FROM: (Old Operator):			N3685- Integrated Water Management, LLC				
N3850-EP Energy E&P Company, LP			PO BOX 430				
1001 Louisiana			Altamont, UT 84001				
HO	uston, TX 77002		Altamont, OT	04001			
Phone: 1 (713) 997-5038			Phone: 1 (435) 464-4646				
	CA No.		Unit:	N/A			
WE	ELL NAME	SEC TWN RNG	API NO	ENTITY	LEASE TYPE	j.	WELL
Chi	ristman-Bland 1-31B4	31 02S 04W	4301330198	<b>NO</b> 4745	Fee	TYPE OW	STATUS S
CIII	Isulian-Diana 1-31D4	31   023   0411	4301330170	1713	100		<u> </u>
ΛI	PERATOR CHANGES DOCUMENTA	ATION					
	ter date after each listed item is completed	ATTO:N					
1.	(R649-8-10) Sundry or legal documentation was	received from the	FORMER one	erator on	4/11/2013		
	(R649-8-10) Sundry or legal documentation was				4/11/2013	-	
2.						-	8/19/2013
3.	The new company was checked on the <b>Departn</b> Is the new operator registered in the State of U		Business Numb		7707770-0160		6/19/2013
4a.	(R649-9-2) Waste Management Plan has been red		Not Yet	JCI.	7707770-0100	•	
				-			
5b. Inspections of LA PA state/fee well sites complete on:			N/A	-			
	Reports current for Production/Disposition & Su	8/19/2013	-				
6.	Federal and Indian Lease Wells: The BLI					DIA	37/4
	or operator change for all wells listed on Federa	l or Indian leases o	on:	BLM	- N/A	BIA	_ N/A
7.	Federal and Indian Units:						
The BLM or BIA has approved the successor of unit operator for wells listed on:  N/A					-		
8. Federal and Indian Communization Agreements ("CA"):							
The BLM or BIA has approved the operator for all wells listed within a					N/A	-	
9.							
	Inject, for the enhanced/secondary recovery uni	t/project for the wa	ater disposal we	ll(s) listed o	on:	N/A	_
DA	ATA ENTRY:						
1.	Changes entered in the Oil and Gas Database of	on:	8/19/2013				
2.	Changes have been entered on the Monthly Op		read Sheet on:	_	8/19/2013	_	
3.	Bond information entered in RBDMS on:		8/19/2013	_			
4.	Fee/State wells attached to bond in RBDMS on:		8/19/2013	_			
5.	Injection Projects to new operator in RBDMS o	n:	N/A	_			
6.	Receipt of Acceptance of Drilling Procedures for	or APD/New on:		N/A	_		
BC	OND VERIFICATION:						
1.	Federal well(s) covered by Bond Number:		N/A	_			
2.	Indian well(s) covered by Bond Number:		N/A	_			
3a.	11 D 131 1 DI DO015041						
3b.	The <b>FORMER</b> operator has requested a release	of liability from the	neir bond on:	N/A		•	
	LACE INTERPRETATION OF STATES	ATION			-		
	CASE INTEREST OWNER NOTIFIC.		and informal L	v a lattar f	om the Division		
4.	(R649-2-10) The <b>NEW</b> operator of the fee wells of their responsibility to notify all interest owner			8/19/2013			
	of figh responsionity to notify an interest owner	o or ano enange on	•	J. 17/2010			

Operator request was received 11 April 2013, however bonding was not recevied until 14 August 2013.

## RECEIVED

#### STATE OF UTAH

APR 1 1 2013

FORM 9

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

	5. LEASE DESIGNATION AND SERIAL NUMBER: #163.319.002 (FEE)							
SUNDR'	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:							
SUNDA	7. UNIT or CA AGREEMENT NAME:							
Do not use this form for proposals to drill drill horizontal								
1. TYPE OF WELL OIL WELL	8. WELL NAME and NUMBER: Christman-Bland 1-31B4							
2. NAME OF OPERATOR:	N20-		9. API NUMBER:					
EP Energy E&P Compan  3. ADDRESS OF OPERATOR:	y, L.P. <b>N3850</b>	PHONE NUMBER:	4301330198  10. FIELD AND POOL, OR WILDCAT:					
	Houston STATE TX		Altamont					
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1257'	FNL & 1552' FEL		COUNTY: Duchesne					
QTR/QTR, SECTION, TOWNSHIP, RA	STATE: UTAH							
11. CHECK APP	ROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA					
TYPE OF SUBMISSION		TYPE OF ACTION						
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION					
(Submit in Duplicate)  Approximate date work will start:	ALTER CASING  CASING REPAIR	FRACTURE TREAT  NEW CONSTRUCTION	SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON					
Approximate date work will start.	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR					
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE					
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL					
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF					
Date of work completion:	COMMINGLE PRODUCING FORMATION	S RECLAMATION OF WELL SITE	OTHER:					
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION						
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.								
Please be advised that effective February 28, 2013, EP Energy E&P Company, L.P. relinquishes operations and Integrated Water Management, LLC assumes operations for the Christman Bland 1-31B4. Bond coverage for lease activities is to be provided by Integrated Water Management, LLC (bond number (N) 2005241). Integrated Water Management, LLC, as operator agrees to be responsible under the terms and conditions of the lease for operations conducted upon lease lands.  JT Martin  Managing Director  Integrated Water Management, LLC  N 3685								
NAME (PLEASE PRINT) Thomas L		TITLE Business Area M	anager					
SIGNATURE								
(This space for State use only)	/	3	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s					

APPROVED .

"Rachel Medina



# State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 10, 2014

Certified Mail No. 7003 2260 0003 2358 7219

43 013 30198 Christmen Bland 1-31 B4 31 25 4W

Mr. Nate Robinson Integrated Water Management P.O. Box 430 Altamont, UT 84001

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Nate Robinson:

As of April 2014, Integrated Water Management has one (1) Fee Lease Well (see attachment A) that is currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- 2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
- 3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.



Page 2 Integrated Water Management June 10, 2014

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely

Dustin K. Doucet Petroleum Engineer

DKD/JP/js

cc: Compliance File Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	Well Name	API	LEASE	Years Inactive
1	CHRISTMAN BLAN 1-31B4	43-013-30198	FEE	1 year 5 months

	STATE OF UTAH		FORM 9
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal l n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: CHRISTMAN BLAND 1-31B4
2. NAME OF OPERATOR: INTEGRATED WATER MANA	GEMENT LLC		<b>9. API NUMBER:</b> 43013301980000
3. ADDRESS OF OPERATOR: PO Box 816, Roosevelt, UT		ONE NUMBER:	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1257 FNL 1552 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	HP, RANGE, MERIDIAN: 31 Township: 02.0S Range: 04.0W Meridian	: U	STATE: UTAH
11. CHECH	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
7	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
11/5/2014	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	☐ WATER SHUTOFF ☐ 5	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:
40 DECODINE DRODOCED OR			<u>'</u>
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all pe	- V (000)	roved by the
		Uta	h Division of
			as and Mining
		Date: Oc	tober 30, 2014
		ву:	lod K Quit
			,
		Please Revi	ew Attached Conditions of Approval
		Tiense teer	en italia conuniono or ipprovin
NAME (DI EACE DOINT)	DUONE NUMBER	ТІТІ Б	
JT Martin	<b>PHONE NUMBER</b> 435 454-4646	TITLE Managing Director	
<b>SIGNATURE</b>   N/A		<b>DATE</b> 10/16/2014	



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### **Sundry Conditions of Approval Well Number 43013301980000**

- 1. Notity the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
- 2. Amend Plug #2: This plug shall be an inside/outside plug and moved downhole approximately 1000' to cover the base of the offsetting injection zone and the top of the Green River formation. RIH and perforate @ 5600'. Establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. If injection into the perfs cannot be established a 200' plug (±40 sx) shall be balanced from ±5650' to 5450'. If injection is established: RIH, set CICR @ 5550', M&P 80 sx cement, sting in to CICR, pump 50 sx, sting out and dump 30 sx on top.
  - 3. Add Plug #3: This plug shall be an inside/outside plug to cover the top of the offsetting injection zone and the surface casing shoe. RIH and perforate @ 4200'. Establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. If injection into the perfs cannot be established a 200' plug (±40 sx) shall be balanced from ±4250' to 4050'. If injection is established: RIH, set CICR @ 4200', M&P 70 sx cement, sting in to CICR, pump 40 sx, sting out and dump 30 sx on top.
- 4. Add Plug #4: This plug shall be an inside/outside plug to cover the Base of Moderately Saline Groundwater. RIH and perforate @ 2650'. Establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. If injection into the perfs cannot be established a 200' plug (±40 sx) shall be balanced from ±2700' to 2500'. If injection is established: RIH, set CICR @ 2600', M&P 35 sx cement, sting in to CICR, pump 25 sx, sting out and dump 10 sx on top.
  - 5. Amend Plug #5: All annuli shall be cemented from a minimum depth of 100' to the surface. Perf. 7" & 9 5/8" @ 100' and circulate cement to surface (±65sx).
    - 6. All balanced plugs shall be tagged to ensure that they are at the depth specified.
  - 7. Surface reclamation shall be done in accordance with R649-3-34 Well Site Restoration.
    - 8. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
- 9. If there are any changes to the procedure or the wellbore configuration, notity Dustin Doucet at 801-538-5281 (of c) or 801-733-0983 (home) prior to continuing with the procedure.
  - 10. All other requirements for notice and reporting in the Oil and Gas Conservation general rules shall apply.

10/28/2014 Wellbore Diagram r263 **API Well No:** 43-013-30198-00-00 Permit No: Well Name/No: CHRISTMAN BLAND 1-31B4 Company Name: INTEGRATED WATER MANAGEMENT LLC Location: Sec: 31 T: 2S R: 4W Spot: NWNE **String Information** L/cu Coordinates: X: 553119 Y: 4457684 **Bottom** Diameter Weight Length String (ft sub) (inches) (lb/ft) (ft) Field Name: ALTAMONT HOL1 300 17.5 County Name: DUCHESNE 13,375 × 95/826 (0.3765) \_ 2.656 COND 300 HOL<sub>2</sub> 12.25 × 9 9/8" W/10% (0.4887) 2.0461 4519 9.625 × 7" 36 (0.1668) \_\_\_\_ 5.995 **SURF** 4519 SFC 8.75 x 7" w/10% (0.2380) \_ 4.2013 HOL3 10052 Cement from 300 ft. to surface **PROD** 10052 (0.2331) Conductor: 13.375 in. @ 300 ft. L112024 4.5 Hole: 17.5 in. @ 300 ft L2 10350 2.875 (X) Amend Plug # 5 CIBP 9310 \* perf 7" 495/8" Csq va CIBP 10322 7×95/2" 100/(1.15/0.1668)=155X 685X 95/8" x 13 /8 "100/(1.15/0.3765)= 335X TOC 2300' = INSIDE: 100/(1.15/0.2331) = 20 5x 2550/ **Cement Information** CICR @ 2600' BMSW 2600. BOC TOC 2650' String (ft sub) Class Sacks (ft sub) 4061' CIBP 9310 9290 Cement from 4519 ft. to 2300 ft. **CIBP** 10322 10317 Surface: 9.625 in. @ 4519 ft. SWD 3-30 84 COND 300 Η 400 Hole: 12.25 in. @ 4519 ft. INT ZONE LI 12024 Η 621 L2 10350 UK 45 **PROD** 10052 6900 Η 465 5130 54001 **SURF** 4519 2300 625 CICR@ 55561 5600 Perforation Information (\*) Add Plug # 5 Top **Bottom** \* Perf@ 2650 CICK@ 2600 Shts/Ft No Shts Dt Squeeze (ft sub) (ft sub) 10409 11545 TOC 6900' IN: 100/(1.15 YO. 2331) = 20 SX 9472 OUT: 100/(1.15) 0.1668) =15 5x 7865 8677 \* perf @ 4200; CICR@ 4150 10805 11953 spot 200' inside of out to cover SWD 35 SX Reg interval Above 150' 1(1.15 (0.2331) -305x Balow 50' (1.15 X0.2331) -105x TOC @ 2550 RRV 8190-8667 7" × 9 98" 200 /(1.15)(0.1668) = 30 9x 9296' C18P@9310' Formation Information Liner from 12024 ft. to 9738 ft. 13391 Cement from 10052 ft. to 6900 ft. 70 5x Reg Tac @ 4000 Formation Depth PERFS **BMSW** 2600 9472-701 9738 Production: 7 in. @ 10052 ft. 10214 **GRRV** 8190 Hole: 8.75 in. @ 10052 ft. WSTC 10559 AMENO toc 10:317 Plucy # CIBP@10322 to cover bottom SUD interval & GRAV DE perf @ 5600; Set CICR @ 5550; 200' Inc INSIDE: Above 150'/(1.15\(0.2331) = 206x Below 80'/(1.15)(0.2331) = 106x 10350' inside out WSTC 10559 PERFS OUT: 7" x 83/4" 200/(1.15 Yo. 2380) = 41 SX 10469' Hole: Unknown 11953 PBTD: PSZ5 /(1.15)(0.2331) = 3095x Reg
(180 @ 7705 TD: 12025 TVD: Page 1



#### Proposed P&A Procedure

Operator: Integrated Water Management

Lease: Christman Bland 1-31- B4

Location: Sec 31-2S-4W

Duchesne County, Utah

Surface Casing: 9 5/8" @ 4,519' Long String: 7" @ 10,052'

Liner; 4 1/2" from 9,738' to 12,024'

Perfs: 7,865' – 8,677' PBTD: CIBP @ 9,310'

Prior to MIRU, check rig anchors, and blow down the well

MIRU, NDWH, NUBOP

Check 9 5/8" x 7" annulus for pressure, if yes – call for orders

Pickup and RIH with 2 3/8" N80 T&D work string

Tag CIBP at 9,310'

Spot 300 sxs of 15.8# class G neat (300 sxs is 1,602' of cement in the 7" casing) POH 500', reverse out with corrosion inhibitor treated produced water and WOC

DILL and the account it must be set by the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the s

RIH and tag cement, it must be at least 100' above the perfs, if not add cement

Pressure test casing, if it fails, call for orders

POH

RIH with wireline and perforate at 4,569'

RIH with tubing to 4,569', and spot 120 sxs of cement (120 sxs is 317'

in the 9 5/8" casing)

Displace 60 sxs o0f cement out of the perfs

POH and WOC

RIH and tag cement, if cement is not 100' above the shoe call for orders

POH to 100' and circulate cement to surface

Cut off wellhead

RIH in the 9 5/8" x 7" annulus with 1" tubing and circulate cement to surface

Weld a plate

**RDMO** 

All cement is 15.8# class G neat.

	STATE OF UTAH		FORM 9
1	DEPARTMENT OF NATURAL RESOURCE: DIVISION OF OIL, GAS, AND MINII		5.LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUNDR	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly de reenter plugged wells, or to drill horizont n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: CHRISTMAN BLAND 1-31B4
2. NAME OF OPERATOR: INTEGRATED WATER MANA	GEMENT LLC		9. API NUMBER: 43013301980000
3. ADDRESS OF OPERATOR: PO Box 816, Roosevelt, U		PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1257 FNL 1552 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 31 Township: 02.0S Range: 04.0W Meridi	ian: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
12/14/2014	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
_	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12 DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all	nertinent details including dates of	denths volumes etc
	uded documentation on attac	·	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 04, 2015
NAME (PLEASE PRINT) Diane Robinson	<b>PHONE NUMBE</b> 435 454-4646	R TITLE Office Assistant	
SIGNATURE N/A		<b>DATE</b> 3/4/2015	

FORM 10

## STATE OF UTAH

Page 1 of 1 02/04/2015

DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

### MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADD	RESS			UTAH A	CCOUNT NUMBE	ER: <b>N3685</b>	il de la companya de la companya de la companya de la companya de la companya de la companya de la companya de
INTEGRATED WATER MA	NAGEMENT	LLC		REPORT	PERIOD (MO)	NTH/YEAR):	1 / 2015
PO BOX 430					D REPORT	- (Highlight	Changes)
WELL NAME	Producing	Well	Well	Days	F	roduction Vo	olumes
API Number Entity Location	Zone	Status	Type	Oper	OIL(BBL)	GAS (MCF)	WATER (BBL)
CHRISTMAN BLAND 1-31B4 4301330198 04745 020S 040W	GR-WS	PEA	OW		0	0	0
							5 4
							4
_ P'							
							M et
7.1.1	1	, (	1	TOTALS	, 0	0	0
See Attached reco	rds, t	ests,	Me.	2511h	ements	etc.	2
I hereby certify that this report is true and comple	te to the best of	my knowled	lge.	Da	ate: 2-	20-15	
Name and Signature:	Miller	- OFF	ic.	Unar	elephone Num	ber: <u>435-</u>	454-464

OPERATOR NAME AND ADDRESS

FORM 11

#### STATE OF UTAH

Page 1 of 1 02/04/2015

DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

# MONTHLY OIL AND GAS DISPOSITION REPORT

NTITY	PRODUCT	GRAVITY	BEGINNING	VOLUME		DISPOSIT	CIONS		ENDING
UMBER		BTU			TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	INVENTORY
745	OIL						14,12 Street		
143	GAS								Costa S
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
		TOTALS	0	0	0	0	0	0	0
	_	S ( )			1 1 /				
	TS : }	) & A	Well	com	pleted	12-14-14	-		
OMMEN	-				- 1 -1	0 100 -	wement	- +	0

Company Na	me:	integrated water management	Com	pany Man:		nate robinso	n	Date:	12/3/2014
AFE or Project	ct #:		Proje	ected Days:				Days on Well:	2
Well Na	me:	christman bland 1-31 4 B	Section:			Township	:	Range:	
RI	G #:	2		Hours	Per-diem				
Tool Pus	her:	gordon myers			у	Tool Pu	sher Cell:	360-773-5408	
Opera	ator:	gordon myers				Company	Man Cell:	4353155946	
Rig Ha	and:	wayne robinette		12	у				
Rig Ha	and:	william workman		12	у				
Rig Ha	and:	caden blackett		12	у			C	
Rig Ho	and:	drew hagerott		12	у				
Rig Ho	and: _							MAGNA	
								ENERGY SERVICES	
Task Times:	-	Job Steps "In Bid So	соре"		Task	imes:		Job Steps "Out of Bid Sco	pe"
6am 700ai	-	crew travel							
700am 10an	_	rig up tongs, spot pipe, tally pipe and	pium in pump	,			-		
10am 12pn	n	trip in hole and stacked out at 1930ft			12nm		waited on h	not oil truck, pumped 70 bbls d	own casina
	$\rightarrow$				12pm			was established	own casing.
	-					4pm		of hole, believed to have colar	ned casina
	-					49111	tripped out	oj noie, senevea to nave totaj	cu cusing
4pm		worked on trashmishon with diesel pr	reformace						
5pm	7								
5pm 6pm	1								
	_								
	_								
	-								
	$\rightarrow$								
	-+								
itina on nino bas	<i>l</i> th a a	vac truck, and cement equipment. To		uill bo	Commonts				
		k to see what we stacked out on.	omorrow we v	wiii be	Comments:				
	101100000000000000000000000000000000000								
District Mangers	Sig	nature:					-		

Company Name:	integrated water management	Con	npany Man:		nate robinson	Date:	12/4/2014
AFE or Project #:		Pro	jected Days:			Days on Well:	4
Well Name:	christman bland 1-31 4 B	Section:			Township:	Range:	
RIG #:	2		Hours	Per-diem			
Tool Pusher:	gordon myers			у	Tool Pusher Cell:	360-773-5408	
Operator:	gordon myers				Company Man Cell:	4353155946	
Rig Hand:	wayne robinette		9	у			
Rig Hand:	william workman		9	y			
Rig Hand:	caden blackett		9	у		C	
Rig Hand:	drew hagerott		9	у	]		
Rig Hand:		[			]	MAGNA	

					ENERGY SERVICES
Task	Times:	Job Steps "In Bid Scope"		Times:	Job Steps "Out of Bid Scope"
			6am	7am	crew travel
			7am	730am	start rig, chang out, safty meeting
			730am		ran in hole with 1in tail pipe, stacked out same spot as
				1030am	previous day. Hot oiled 70 bbls down tubing and triped out
1030am	12pm	riged up pump different, broke apart manifold and fixed leaks.			
			12pm	2pm	rigged up stand pipe and static line for swivel, put Washington he
			2pm	3pm	crew travel
		orrow we will trip in the hole with a bit and mill out composit plug rt. Should be back on magna time by days end.	Comments:		

Company Name:	integrated water management
AFE or Project #:	
Well Name:	christman bland 1-31 4 B
RIG #:	2
Tool Pusher:	gordon myers
Operator:	michael taylor
Rig Hand:	wayne robinette
Rig Hand:	william workman
Rig Hand:	caden blackett
Rig Hand:	drew hagerott
Rig Hand:	

Section: _			. Township: .
_	Hours	Per-diem	29
		у	Tool Pusi
	12	у	Company
	12	у	
	12	y	
	12	у	
	12	у	

nate robinson

Company Man:

**Projected Days:** 

Tool Pusher Cell:	360-773-5408			
Company Man Cell:	4353155946			



Date:

Range:

Days on Well:

12/5/2014

Task Times:		Job Steps "In Bid Scope"	Task	Times:	Job Steps "Out of Bid Scope"
6am	7am	crew travel			
			7am	730am	start rig, chang out, safty meeting
			730am	830am	made up 6 1/8 bit, run in hole and tag plug
0			830am	10am	rig up swivel
			10am	130pm	mill plug
			130pm	330pm	flow back well/pump
330pm	530pm	run in hole with bit			
530pm	6pm	crew travel			
ish tripping	g to bottom,	pump cement	Comments:	•	· _

Company Name: _	integrated water management	Con	npany Man:		nate robinson	Date:	12/6/2014
AFE or Project #:		Proj	iected Days:			Days on Well:	5
Well Name:	christman bland 1-31 4 B	Section:			Township:	Range:	
RIG #:	2		Hours	Per-diem			
Tool Pusher:	gordon myers			у	Tool Pusher Cell:	360-773-5408	
Operator:	michael taylor		10.5	у	Company Man Cell:	4353155946	
Rig Hand:	wayne robinette		10.5	у			
Rig Hand:	william workman		10.5	у			
Rig Hand:	caden blackett		10.5	у		C	
Rig Hand:	drew hagerott		10.5	у			
Rig Hand:						MALRIA	
		-			•	MAUNA	
						ENERGY SERVICES	

Task	Times:	Job Steps "In Bid Scope"	Task Times:	Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig		
7am		trip in hole		
	10am			
10am	130pm	pump 370 bbls for bottoms up		
130pm	4pm	trip to derick to take bit off		
4pm	5pm	trip in the hole open ended		
finish trippin	g to bottom,	pump cement	Comments:	

Company Name:	integrated water management	Com	pany Man	£
AFE or Project #:		Proje	ected Days.	
Well Name:	christman bland 1-31 4 B	Section:		
RIG #:	2		Hours	F
Tool Pusher:	gordon myers			
Operator:	Michael Taylor		10	
Rig Hand:	Wayne robinette		10	
Rig Hand:	william workman		10	
Rig Hand:	caden blackett		10	
Rig Hand:	drew hagerott		10	
Rig Hand:				

		Township:	Range:
Hours	Per-diem		
	у	Tool Pusher Cell:	360-773-5408
10	у	Company Man Cell:	4353155946
10	у		
			$M \land I : M \land M$

Nate Robinson

Date: 12/8/2014

Days on Well:

**ENERGY SERVICES** 

6

Task	Times:	Job Steps "In Bid Scope"	Task Times:	Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig		
7am	830am	trip in hole to and tag cement at 8370		
830am	10am	pump 150 sx of 15.8 pound cement		
10am	1030am	pull 24 stands, reverse out to make sure tubing is clear		
1030am	2pm	wait for cement to dry, clean rig,		
2pm	3рт	attempt to tag cement, still wet.		
3pm	4pm	reverse circulate, get ready for tomorrow		
4pm	430pm	crew travel		
g cement,	trip out od ho	ole, wire line perfs, trip in retainer	Comments:	

Company Name:	integrated water management	Con	pany Man:		Nate Robinson	
AFE or Project #:		Proj	ected Days:			
Well Name:	christman bland 1-31 4 B	Section:			Township:	
RIG #:	2		Hours	Per-diem		
Tool Pusher:	gordon myers			y	Tool Pusher Cell:	
Operator:	Michael Taylor		11.5	у	Company Man Cell:	25
Rig Hand:	Wayne robinette		11.5	у		
Rig Hand:	william workman		11.5	у		
Rig Hand:	caden blackett		11.5	у		4
Rig Hand:	drew hagerott		11.5	у		
Rig Hand:						M

Task 1	Times:	Job Steps "In Bid Scope"	Task	Times:	Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig			
7am	830am	trip in hole to and tag cement at 7855, 90 feet to low			
830am	11am	trip out of the hole cuz wire line was already ordered			
11am	12am	wire line guns at 5600			
12pm	2pm	trip in hole to to pump cement to get cement top to 7765			
2pm	330pm	pump 30 sx of cement			
330pm	530pm	trip to 2500ft, hot oiler set up in the am. Must hot oil befor we run			
		cicr due to parifin			
530pm	6рт	crew travel			
hot oil well c	lean, trip in d	icr to 5550, cement	Comments:		
L					

12/9/2014

Date:

Days on Well: Range:

360-773-5408 4353155946

**ENERGY SERVICES** 

District	Mangers	Signature:	
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Company Name:	integrated water management	Con	npany Man:		Nate Robinson	Date:	12/10/
AFE or Project #:		Proj	ected Days:			Days on Well:	8
Well Name:	christman bland 1-31 4 B	Section:			Township:	Range:	
RIG #:	2		Hours	Per-diem			
Tool Pusher:	gordon myers			у	Tool Pusher Cell:	360-773-5408	
Operator:	Michael Taylor		9	у	Company Man Cell:	4353155946	
Rig Hand:	Wayne robinette		9	у			
Rig Hand:	william workman		9	у			
Rig Hand:	caden blackett		9	у		C	
Rig Hand:	drew hagerott		9	у	]		
Rig Hand:					1	$M \land I : N \land$	
_					•	MAUNA	

					ENERGY SERVICES
Task Times:		Job Steps "In Bid Scope"	Task	Times:	Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig			
7am	9am	hot oil well			
9am	10am	trip out of hole			
10am	12pm	got retanier suck in well head, atempted to free up			
12pm	3pm	rig bop back up, rig up floor, get readt for swivel			
3pm	330pm	crew travel			
ig up svivel	and 6in drill	collars, mill on retainer	Comments:		

Company Name:	integrated water management	Con	npany Man:		Nate Robinson	Date:	12/11/2014
AFE or Project #:		Proj	iected Days:			Days on Well:	9
Well Name:	christman bland 1-31 4 B	Section:			Township:	Range:	
RIG #:	2		Hours	Per-diem			
Tool Pusher:	gordon myers			y	Tool Pusher Cell:	360-773-5408	
Operator:	Michael Taylor		10.5	у	Company Man Cell:	4353155946	
Rig Hand:	Wayne robinette		10.5	у			- fi
Rig Hand:	william workman		10.5	у			
Rig Hand:	caden blackett		10.5	у		C	
Rig Hand:	drew hagerott		10.5	у		MACHIA	
Rig Hand:						MALINA	
_					•13	MAUNA	
						ENERGY SERVICES	

Task Times:		Job Steps "In Bid Scope"	Task Times:	Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig		
7am	830am	rig up swivel, make up tools		
830am	11am	mill cicr,		
11am	2pm	chase cicr foe 30 joints with swivel		
2pm	330pm	trip in hole to 5700		
330pm	430pm	trip out of hole to 2500ft		
430pm	5pm	rig down swivel		
	rip out of ho	le. Run cement retainer	Comments:	

District Mangers Signature:

Company Name: _	integrated water management	Com	npany Man:		Nate Robinson	Date:
AFE or Project #: _		Proj	ected Days:			Days on Well:
Well Name:	christman bland 1-31 4 B	Section:			Township:	Range:
RIG #:	2		Hours	Per-diem		
Tool Pusher:	gordon myers			у	Tool Pusher Cell:	360-773-5408
Operator:	Michael Taylor		11.5	у	Company Man Cell:	4353155946
Rig Hand:	Wayne robinette		11.5	у		
Rig Hand:	william workman		11.5	у		
Rig Hand:	caden blackett		11.5	у		C
Rig Hand:	drew hagerott		11.5	у		MAGNI
Rig Hand:						MAINL

12/12/2014 10

**ENERGY SERVICES** 

Task Times:		Job Steps "In Bid Scope"	Task Times:	Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig		
7am	8am	trip out of hole		
8am	1030am	trip cicr to 5548ft		
1030am	12p	pump cement		
12pm	3pm	trip out of hole		
3рт	530pm	wire line 3 perf guns at 4200,2650,100ft		
530pm	6pm	crew travel		
run cicr and	pump cemen	t, repeat	Comments:	

Company Name: integrated water management		Con	Company Man:			
AFE or Project #: _		Proj	ected Days:			
Well Name:	christman bland 1-31 4 B	Section:				
RIG #:	2		Hours	Per-die		
Tool Pusher:	gordon myers			y		
Operator:	Michael Taylor		12	у		
Rig Hand:	mauro valadez		13	у		
Rig Hand:	william workman		12	y		
Rig Hand:	daniel armando		13	У		
Rig Hand:	drew hagerott		12	у		
Rig Hand:						

oj	ected Days			Days on Well:	11
			Township:	Range:	
	Hours	Per-diem			
		у	Tool Pusher Cell:	360-773-5408	
	12	у	Company Man Cell:	4353155946	
	13	у			
	12	у			
	13	у		C	
	12	у			
				MAGNA	
				ENERGY SERVICES	

Date:

12/13/2014

Nate Robinson

Task Times:		Job Steps "In Bid Scope"	Task Times:	Job Steps "Out of Bid Scope"
630am	7am	crew travel, start rig		
7am	9am	run cement retainer to 4146		
9am	10am	pump cement		
10am	1030am	trip out to 2700		
1030am	11am	hot oil up the 9 5/8, 80 bbls		
11am	1230pm	trip out of hole		
1230pm	230pm	pick up cicr and trip in hole to 2540		
230pm	330pm	pump cement		
330pm	430pm	trip out of hole		
430pm	6pm	rig down rig, and clean location		
6pm	630pm	crew travel		
mp service	plug, rig dov	wn pump	Comments:	

Company Name: _	integrated water management	Con	npany Man:		Nate Robinson	Date:	12/14/2014
AFE or Project #:		Proj	iected Days:			Days on Well:	12
Well Name:	christman bland 1-31 4 B	Section:			Township:	Range:	
RIG #:	2		Hours	Per-diem			
Tool Pusher:	gordon myers			y	Tool Pusher Cell:	360-773-5408	
Operator:	Michael Taylor		11.5	у	Company Man Cell:	4353155946	
Rig Hand:							
Rig Hand:	william workman		11.5	у			
Rig Hand:						C	
Rig Hand:	drew hagerott		11.5	у			
Rig Hand:					1	MALINA	
_					•	MAUNA	
						<b>ENERGY SERVICES</b>	
					- Russian (2)	1-1-Ct    O-t	2211

Task 1	Times:	Job Steps "In Bid Scope"	Task	Times:	Job Steps "Out of Bid Scope"
630am	7am	crew travel,			
7am	830am	hot oil well down the 9 5/8 up the 7in			
830am	930am	pump 100ft serface plug			
930am	1030am	rig down pump, clean location			
1030am	12pm	dig out well head,			
12pm	6pm	crew travel back to north dakota			
ith cement move all of	all around bo	cation, well is dug out and ready to be cut. Different well head ase. I was Unsure of the best way to cut it off or if I needed to to get to required depth to cut off, not sure if in bid scope. jorge	Comments:		